LGAI Technological Center, S.A.
Campus UAB – Ronda de la Font del Carme, s/n
08193 Bellaterra – Barcelona
(Spain)
Tel.:+34 93 567 20 08
Fax.:+34 93 567 20 01
www.appluscertification.com

GOLD STANDARD FOR THE GLOBAL GOALS (GS4GG)
REPORT
-
DESIGN CERTIFICATION (RENEWAL)

Project Title:	Soma Wind Power Plant
GS project ID:	GS 655[1]
Internal ID:	7121
Customer:	Bilgin Güc Santralleri Enerji Üretim A.S.
Date:	26/10/2022
Revision:	01.3

[1] https://registry.goldstandard.org/projects/details/1132

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(Spain)
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Fax.:+34 93 567 20 01
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SUMMARY			
Reference No.	**Date** *(first version)*	**Version No.**	**Date** *(last version)*
BELL_CDM_GS_RCP_7121	30/05/2022	01.3	26/10/2022

Client	Bilgin Güc Santralleri Enerji Üretim A.S.
Project Title	Soma Wind Power Plant
Project Participants	Bilgin Güc Santralleri Enerji Üretim A.S.
Project Location	Soma and Kırkagac Districts, Manisa City, Turkey
Contact Person	Mr. Kadir Coşar

GS4GG Version: GS4GG v 1.2 GS4GG Activity Requirements: RE Activity Requirements, version 1.4 The following tools and guidance's have been followed (References): • Methodological tool (EB 66, Annex 47) "Assessment of the validity of the original / current baseline and update of the baseline at the renewal of the crediting period." (Version 03.0.1)[2]. • Tool to calculate the emission factor for an electricity system (Version 07.0)[3] • Tool to determine the remaining lifetime of equipment[4]- Version 1.0 (EB 50, Annex 15) • Current Methodology Version: ACM0002 Version 20.0 • Applied Methodology Version for GS initial CP (crediting period): ACM0002 version 12.1.0	GS4GG Sectoral Scope: 2 UNFCCC CDM Sectoral Scope: 1 Technical Area: 1.2
GS4GG First PDD Version: 04 Date: 05/04/2022	GS4GG Final PDD Version: 08 Date: 06/10/2022

Estimated Annual SDG Impacts:

Sustainable Development Goals Targeted	**SDG Impact**	**Estimated Annual Average**
6 Water Quality	Avoided wastewater amount	8,006,243 m^3/year
7 Affordable and Clean Energy	MWh of renewable energy generated	307,500 MWh / year
8 Decent Work and Economic Growth	Trainings provided Employees	01 training / year 15 employees
13 Climate Action (mandatory)	Emission reduction	CO2: 199,321 tCO_2e / year CO: 30.05 tons/year NMVOC: 2.89 tons/year NOx: 348.90 tons/year

Selected Sustainable Development Goals (SDGs): 6, 7; 8; 13

[2] https://cdm.unfccc.int/methodologies/PAmethodologies/tools/am-tool-11-v3.0.1.pdf
[3] https://cdm.unfccc.int/methodologies/PAmethodologies/tools/am-tool-07-v7.0.pdf
[4] http://cdm.unfccc.int/methodologies/PAmethodologies/tools/am-tool-10-v1.pdf

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Design Certification Summary
LGAI Technological Center, S.A. (hereafter referred to as Applus+ Certification) has been contracted by Bilgin Güc Santralleri Enerji Üretim A.S. to perform the GS VER Crediting Period (CP) renewal validation of "Soma Wind Power Plant " applying the methodology ACM0002 Version 20.0. The management of Bilgin Güc Santralleri Enerji Üretim A.S. is responsible for the preparation of the GHG emissions data and the reported GHG emission reductions. A desk review, online (remote) site visit, document review has been conducted to verify the data submitted in the GS4GG PDD. Applus+ Certification confirms the following have been reviewed: a. GS4GG PDD of first CP and the corresponding validation report; b. The applied monitoring methodology; c. Relevant decisions, clarifications and guidance from the CMP, CDM Executive Board and Gold Standard; d. The Gold Standard for Global Goals "Principles and Requirements" version 1.2 e. All information and references relevant to the project activity's resulting in estimated emission reductions. The scope of the GS CP renewal validation is defined as an independent and objective review of the project design document for RCP, against the Kyoto Protocol requirements, UNFCCC rules, applicable Gold Standard and CDM requirements. The validation report is finalized based on the assessment of the Gold Standard GS4GG PDD, and applying standard auditing techniques including but not limited to document reviews, follow up actions (e.g. online (remote) site visit, telephone or e-mail interviews) and also the review of the applicable approved methodology and underlying formulae and calculations. The report and the annexed validation checklist describes a total of 09 findings which include: • 08 Corrective Action Requests (CARs); • 02 Clarification Requests (CLs/CRs); • 00 Forward Action Requests (FARs). The PP has responded these findings by modifying the Gold Standard GS4GG PDD and providing adequate additional explanations and evidences. Applus+ Certification confirm that all the findings have been "closed out" before submitting the request for renewal to GS Organization (Renewal of Crediting period). As a summary of the CP renewal validation, the review of the Gold Standard GS4GG PDD and the subsequent follow-up interviews have provided Applus+ Certification with sufficient evidence for the determination of the project's fulfillment with all stated criteria. In our opinion, the project meets all relevant applicable Gold Standard and UNFCCC requirements. Therefore, Applus+ Certification recommends the project for renewal of crediting period by the Gold Standard as GS VER project.

ASSESSMENT TEAM		
Team Members	**Type of Resource[5]**	**Organization** *(for OEs)*
Lead Auditor: Mr. Anıl Söyler	☐ IR ☒ EI ☐ OE	-
Auditor: N/A	☐ IR ☐ EI ☐ OE	-
Technical Expert: Mr. Anıl Söyler	☐ IR ☒ EI ☐ OE	-
Technical Reviewer: Mr. David Lubanga	☐ IR ☒ EI ☐ OE	-

[5] IR (Internal Resource); EI (External Individual); OE (Outsourced Entity)

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ABBREVIATIONS	
AMS	Approved Methodology Small Scale
Applus+ LGAI / Applus+	LGAI Technological Center, S.A. (Applus+ Certification)
BM	Build Margin
CAR	Corrective Action Request
CDM	Clean Development Mechanism
CDM EB	CDM Executive Board
CL / CR	Clarification Request
CM	Combined Margin
CMP	Conference of the Parties serving as the Meeting of the Parties to the Kyoto Protocol
CP	Crediting Period
DNA	Designated National Authority
DOE	Designated Operational Entity
EF	Emission Factor
EIA	Environmental Impact Assessment
ER	Emission Reduction
FAR	Forward Action Request
GHG	Greenhouse Gas(es)
GS4GG (or GS)	Gold Standard for Global Goals
IPCC	Intergovernmental Panel on Climate Change
KP	Kyoto Protocol
MP	Monitoring Plan
NGO	Non-Governmental Organization
CP renewal validation	Validation for Renewal of Crediting Period
SDG	Sustainable Development Goal
TAC	Gold Standard Technical Advisory Committee
OM	Operational Margin
PP	Project Participant
PS	Project Standard
PPA	Power Purchase agreement
UNFCCC	United Nations Framework Convention for Climate Change
VER	Verified Emission Reduction
VVB	Validation and Verification Body
VVS	CDM validation and verification standard for project activities, Version 03.0

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Appendix 1: Corrective Action Request / Clarification Request / Forward Action Request Resolution Table.

Appendix 2: Validation Team CVs.

1. INTRODUCTION

Bilgin Güc Santralleri Enerji Üretim A.S. has commissioned Applus+ Certification to perform the crediting period (CP) renewal validation of "Soma Wind Power Plant" (hereafter referred to as the project activity). This CP renewal validation report summarizes the findings of the CP renewal validation of the project, performed on the basis of UNFCCC criteria refer to Article 12 of the Kyoto Protocol, the CDM modalities and procedures and the subsequent decisions by the CDM Executive Board and Gold Standard rules and requirements.

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).

Bilgin Güc Santralleri Enerji Üretim A.S. has installed and commissioned a 120 MWe wind power plant with 36 Nordex N90 brand wind turbines each having a capacity of 2.5 MW and 10 Nordex N117 brand wind turbines each having capacity of 3 MW capacity and each located in Soma and Kırkagac districts, Manisa city, Turkey. However, the registered capacity of the project during the 2nd CP is 90 MW but ten turbines (T-37, T-38, T-39, T-40, T-41, T-42, T-43, T-44, T-45 and T-46) had been included on 05/11/2016 and 16/12/2016, respectively. However, the capacity addition (design change) process hasn't been initiated by PP in line with the Gold Standard rules, the capacity addition component is not eligible and the next verification will be handled without the capacity addition component. Gold Standard registered capacity of the project (90 MW) is considered and the electricity generation and the emission reduction of the added ten turbines (T-37, T-38, T-39, T-40, T-41, T-42, T-43, T-44, T-45 and T-46) through SCADA screenshots will be excluded for the next verification. The project is still operational at the time of CP renewal validation and expected total lifetime is 25 years as in the Option a of "Tool to determine the remaining lifetime of equipment" version 01 to be referred for the total lifetime of the project.

The project was operational on 13/08/2010 as confirmed through the provisional acceptance protocol and registered on 23/01/2012 under the Gold Standard Registry with the registration number GS 655.

As confirmed through GS registry and initial validation report, first crediting period was between 13/08/2010-12/08/2017 and the second one is between 13/08/2017-12/08/2024 (both dates are included).

The PP has been granted a 37 year generation license (initial issuance date is 17/07/2008 and last amendment date is 18/04/2019) 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 199,321 tCO_2e during the second crediting period.

CAR-1 was issued regarding this issue and closed out during the CP renewal validation. Please see CAR-1 in Annex-1 of the report for further details.

It could be confirmed by the CP renewal validation team that PDD contains a transparent and accurate description of the project activity and provides reader a clear understanding of the project activity.

Technology Transfer

No technology transfer from other countries is involved in the project.

The project activity is the installation of a new grid-connected renewable power plant/unit and this is not a CPA that has been excluded from a registered CDM PoA as a result of erroneous inclusion of CPAs.

1.1 Objective

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).

The purpose of the CP renewal validation is to have an independent third-party assessment of the GS4GG PDD for renewal of crediting period and compliance with the GS requirements as described in the Gold Standard documentation and supporting documents by the PP.

Applus+ Certification has been appointed by "Bilgin Güc Santralleri Enerji Üretim A.S." to perform the crediting period renewal validation of the project: "Soma Wind Power Plant" with the CP renewal validation service agreement dated 15/02/2022. 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 and Gold Standard requirements. In particular;

- the project's baseline is assessed against "ACM0002: Grid-connected electricity generation from renewable sources" Version 20.0 and "Tool "Assessment of the validity of the original/current baseline and update of the baseline at the renewal of the crediting period" Version 03.0.1
- the project's monitoring plan is assessed against "ACM0002: Grid-connected electricity generation from renewable sources Version 20.0"
- 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 3.0
- CDM Project Standard version 3.0
- CDM Project Cycle Procedure version 3.0
- Gold Standard for Global Goals Principles & Requirements version 1.2

1.2 Scope

The scope of the validation is the independent and objective review of the Project Design Document (PDD) which is revised for the 2nd CP. The PDD is reviewed against the relevant criteria (please see Section 1.1) including the approved baseline and monitoring methodology. The

validation was based on the guidance given in the CDM Validation and Verification Standard version 3.0, CDM Project Standard version 3.0, CDM Project Cycle Procedure version 3.0 and Gold Standard for Global Goals version 1.2.

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 CP renewal validation scope is defined as an independent and objective review of the project PDD, the project's baseline study and monitoring plan and other relevant documents. The information in these documents is reviewed against all applicable CDM and GS requirements including the approved baseline and monitoring methodology ACM0002 Version 20.0. The validation was based on the requirements in the CDM validation and verification standard for project activities, Version 03.0 and Gold Standard GS4GG requirements.

2. METHODOLOGY

The CP renewal validation is based on the CDM validation and verification standard for project activities, Version 03.0, Gold Standard requirements for GS4GG and is conducted using standard auditing techniques to assess the correctness of the information provided by the PP. Before the assessment begins, members of the team covering the technical scope(s), sectoral scope(s), and relevant host country experience for evaluating the project activity are appointed. Once the project is made available for Applus+ Certification, the members of the CP renewal validation team carried out:

a) A desk review of the PDD;

b) Follow-up interviews with project stakeholders;

c) The resolution of outstanding issues and the issuance of the final validation report and opinion.

The prepared validation report and other supporting documents then undergo an internal quality control before being submitted to the GS Registry.

The following format has been utilized as in Table 2-1 below:

Table 2-1: Resolution of validation findings

Type:	☐ **CAR** ☐ **CL/CR** ☐ **FAR**	**Number:**	
Raised by:			
Description of the audit finding		**Date:**	

The description of the audit finding should be clearly included here.		
Project Participant's response	**Date:**	
The responses given by the project participants during the communications with the validation team should be included here.		
Documentation provided as evidence by Project Participant		
The evidences provided by the project participants should be included here.		
Auditor's assessment comment	**Date:**	
This section should include how the audit finding is assessed by the assessment team.		

According to these principles total of 07 CARs and 02 CLs were raised all of which are listed in Appendix-1.

2.1 Appointment of the assessment team

According to the sectoral scope / technical area and experience in the sectoral or national business environment, LGAI Technological Center, S.A. (Applus+ Certification) has composed a project assessment team in accordance with the appointment rules in the internal Quality Management System of LGAI Technological Center, S.A. (Applus+ Certification).

The composition of audit team shall be approved by the LGAI Technological Center, S.A. (Applus+ Certification) ensuring that the required skills are covered by the team.

The four qualification levels for team members that are assigned by formal appointment rules are as presented below:

- Lead Auditor (LA).
- Auditor (A) / Auditor in Training (AiT)
- Technical Expert (TE).
- Technical Reviewer (TR).

The sectoral scope / technical area knowledge linked to the applied methodology/ies shall be covered by the validation team.

Name	Role	SS coverage	TA coverage	Host country experience
Mr. Anıl Söyler	LA/TE	YES	YES	YES
Mr. David Lubanga	TR	YES	YES	N/A

The complete list of team member CVs is included as Appendix 2 of this report.

2.2 Document review

The Gold Standard PDD submitted by the PP was reviewed against the approved methodology and other relevant criteria to verify the correctness, credibility, and interpretation of the presented information. Furthermore, a cross-check between information provided and information from other sources has been done. A complete list of all documents reviewed during the CP renewal validation process is included in Section 4 of this report.

2.3 Follow up Interviews

As a result of the COVID-19 pandemic, taking into account the rules of relevant national and local authorities (local to the VVB offices as well as to locality of the site visits), World Health Organization (WHO) recommendations, policies of the VVB and other relevant travel restrictions and guidance (for example, a requirement to self-isolate upon return from specific countries), the VVB has skipped the on-site visit. However, as per the COVID 19 Interim Measures by GS4GG, the VVB may use alternative measures for auditing like remote (online) audits.
As per para 4.1.1 (b) of COVID 19 Interim Measures, validation team has used the following alternative means for its assessment and to justify that they are sufficient for the purpose of validation of the project. Along with desk review, validation team has conducted remote site visit interviews corresponding to the project as follows:

- A complete desk review of the PDD, as well as all applicable country legal requirement and supportive evidences have been checked by the validation team.
- Validation team has performed interview with PP representatives through MS Team programme in order to check implementation, project boundary, current situation, management system of the PA, project technology, location, training provided, start date etc.
- Cross checks between information provided by interviewed personnel (i.e. by checking sources) to ensure that no relevant information has been omitted.
- Cross-check evaluation, for information received from interviews, under the scope of all information and references provided in PDD and supporting documents.

The audit techniques employed during the CP renewal validation service have been included in the Audit Techniques Template.

The list of people who were interviewed during the validation period and through the online (remote) site visit using MS Team programme is given in the Table 2-2 below:

Table 2-2: Details of interviewees and subjects covered

No.	Interviewee			Date	Subject	Team member
	Last name	First name	Affiliation			
I1	Coşar	Kadir	Project Responsible, Bilgin Güc Santralleri	25/03/2022	Project implementation and execution, applicability of	Anıl Söyler (Team Leader,

			Enerji Üretim A.S.		original baseline, validity of data and parameters, demonstration of ongoing financial need, organizational structure, training, monitoring plan, the impact of the project activity on the local stakeholders	Technical Expert (1.2) , Local Expert)
I2	Özulukule	Koray	Plant Manager, Bilgin Güc Santralleri Enerji Üretim A.S.			
I3	Somunkıran	Nazmi	Technician, Bilgin Güc Santralleri Enerji Üretim A.S.			
I4	Topuz	İpek	Consultant, Life Enerji Ltd. Şti.			
I5	Yılmaz	Bahri	Mukhtar (Village Head), Göktaş Village		The impact of the project activity on the local stakeholders and effectiveness of grievance mechanism	
I6	Akay	Mehmet Ali	Villager, Göktaş Village			
I7	Kara	İsmail	Villager, Göktaş Village			
I8	Günebakan	Ramazan	Villager, Göktaş Village			
I9	Çoşkun	Bayram	Villager, Göktaş Village			

2.4 Resolution of Clarification and Corrective Action requests

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

Concerns raised in the desk review, the online (remote) audit assessment and the follow up interviews and the responses provided for the raised concerns are documented to guarantee the transparency of the validation process.

The objective of this phase of the CP renewal validation was to resolve the requests for corrective actions and clarification and any other outstanding issues which needs to be clarified for Applus+ Certification positive conclusion on the PDD. The Corrective Action Requests and Clarification Requests raised by Applus+ Certification were resolved during communications between the

Client and Applus+ Certification to guarantee the transparency of the validation process, the concerns raised and responses given are summarized in Appendix-1 below.

The Gold Standard GS4GG PDD version 06 submitted for renewal of CP serves as the basis for the final assessment presented.

2.5 Internal Quality Control

As a final step for CP renewal validation, the final documentation, including the CP renewal validation final report, has to undergo an internal quality control by the Technical Reviewer(s) to be approved.

The details of the Technical Reviewer(s) are provided within the CP renewal validation final report in Section 2.1 and Appendix 2 for further references of knowledge and capability to conduct the quality checking.

After the Technical Review process, the final documentation may undergo a final quality checking process called Administrative Review, done by the Applus+ Certification's Project Manager and/or Technical Support.

For final approval, the final set of documents are prepared by the VVB's Technical Manager or its deputy and signed by the authorized signatory of the VVB.

In case any of the persons performing this final internal quality control approval process has acted as a part of the Assessment Team or Technical Review team, the approval can only be given by VVB's authorized personnel who are not part of those teams.

If the final set of documents has been satisfactorily approved, a request of renewal of the Crediting Period (GS4GG Design Certification Renewal) is submitted to the GS Registry along with the relevant documents.

3. PROJECT DESIGN CERTIFICATION ASSESSMENT

3.1 Approval

N/A (The project activity is a voluntary project hence there is no need for a Letter of Approval (LoA)).

3.2 Participation

Bilgin Güc Santralleri Enerji Üretim A.S.[6] is the PP from the host party Turkey. The host country involved is party to the Kyoto Protocol and meet and requirements to participate in the Gold Standard.

[6] PP has changed as Bilgin Güc Santralleri Enerji Üretim A.S. (new trade name of the company) from Bilgin Rüzgar Santrali Enerji Üretimi A.Ş. (the company name at the time of 1st CP renewal) as confirmed by the CP renewal validation team through the generation licence dated as 18/04/2019.

3.3 Scale of the project

The project activity is a large scale "renewable energy" project as per the GS4GG Renewable Energy Activity Requirements and follows the approved CDM large scale methodology, "ACM0002: Grid-connected electricity generation from renewable sources" version 20.0 which is the latest version of methodology applicable at the time of CP renewal validation. The version of the methodology in the initial CP was ACM0002 version 12.1.0.

The current total capacity of the project is 120 MW as validated from the generation licence and provisional acceptance protocols. The project activity involves electricity generation using wind power to reduce atmospheric CO_2 emission by replacing equivalent amount of electricity from the grid of Turkey. The project activity complies with the requirement of the generation and delivery of energy services (e.g. electricity) from non-fossil and non-deployable energy sources' as defined in GS4GG. The project activity generates and supplies renewable electricity to the grid thereby displacing the electricity which would have generated in fossil fuel based power plants connected to the grid.

3.4 Greenhouse Gases

The project activity leads to displacement of electricity generation from fossil fuel based power plants connected to the regional grid by renewable energy generated using wind power. The operation of the project activity will result in reduction of carbon-dioxide from the atmosphere due to displacement of electricity in grid by the renewable energy. Hence, the greenhouse gas identified in the PDD is carbon dioxide which is validated at the time of first validation.

The GHG emission sources considered for the project boundary and their explanations are as follows in Table 3-1 below:

Table 3-1: GHG emission sources for the project boundary

Source		**GHGs**	**Included?**	**Justification/Explanation**
Baseline scenario	Grid connected electricity generation	CO_2	Yes	Main emission source
		CH_4	No	Minor emission source
		N_2O	No	Minor emission source
Project scenario	Greenfield Wind Power Project Activity	CO_2	No	There is no CO_2 emissions associated with the project
		CH_4	No	There is no CH_4 emissions associated with the project
		N_2O	No	There is no N_2O emissions associated with the project

3.5 Project timeframe

All the issues raised as CLs and CARs during this CP renewal validation activity, were resolved, during the written and oral communications between the Project Participant(s) and VVB CP renewal 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.

Concerns raised in the desk review, the online (remote) audit assessment and the follow up interviews and the responses provided for the raised concerns are documented to guarantee the transparency of the validation process.

The validation timeframe is given in detail in below Table 3-2:

Table 3-2: Validation Timeframe

Action	Timeline	
	From	To
Desk Review including review of PDD	20/03/2022	24/03/2022
Online (remote) site visit	25/03/2022	25/03/2022
Issuance of the initial CP renewal validation findings	30/03/2022	
Review of PPs Initial Set of Responses	27/05/2022	29/05/2022
Closing of all the CARs and CLs	30/05/2022	
Issuance of the Validation Report version 01	30/05/2022	02/06/2022
ITR Process	07/06/2022	22/06/2022
Final completeness check before approval and submission	23/06/2022	23/06/2022
Issuance of the Validation Report version 1.1 (Final version of the report for the submission to GS)	17/06/2022	
Issuance of the Validation Report version 1.2 (Revised version based on the GS initial comments)	22/08/2022	
Issuance of the Validation Report version 1.3 (Final version based on the GS second round comments)	26/10/2022	

3.6 Public announcement

N/A (The project activity is a voluntary project hence there is no need for public announcement).

3.7 Project Boundary

The project boundary has been defined in accordance with the applied methodology which states that, "the spatial extent of the project boundary includes the project power plant and all power plants connected physically to the electricity system that the project power plant is connected to". Therefore, there is no change with the boundary of the project during the 2nd CP of the

project as confirmed through the document review including generation licence of the project and online (remote) site visit observations.

It can be concluded through the document review and online (remote) site visit observations by the validation team that the boundary has been defined in line with the applied methodology and there is no change with the boundary of the project during the 2nd CP.

3.8 Baseline Identification

The project activity was validated using the methodology ACM0002 Version 13. The PDD has been revised for the 2nd CP according to the latest approved version of the methodology ACM0002 Version 20 and the latest applicable PDD template. All the applicability conditions of the methodology have been justified appropriately in the revised PDD.
There has been no significant change in the relevant policies and circumstances, which would impact the baseline scenario since 04/07/2012 (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 06/10/2022. 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 assessment of the applied baseline suggests that the baseline methodology has been correctly applied and the most appropriate and conservative baseline scenario has been selected for the 2nd CP:

a) All data and values used by the project proponent have been listed and referenced in the PDD indication their sources;
b) Relevant documents have been used have been used for the establishment of baseline scenario, interpreted appropriately;
c) All the relevant national and sectoral policies and circumstances have been considered;
d) The applied methodology's applicability has been found in accordance and the baseline identification has been found appropriate by the validation team.
e) The relevant justification has been provided in the revised PDD.

Therefore, it can be concluded through the document review by the validation team that the baseline has been defined in line with the applied methodology and there is no expected change with the baseline of the project during the 2nd CP comparing with the initial one.

3.9 Eligibility Principles Assessment

- **Principle 1. Contribution to Climate Security & Sustainable Development**

The grid emission factor has been updated and fixed ex-ante for the 2nd CP and the national grid emission factor published by the Turkish Ministry of Energy and Natural Resources has been used. The grid emission factor in the earlier PDD was 0.59384 tCO2/MWh with 0.75 and 0.25 weightage factor given to 'operating margin' and 'build margin', respectively. The grid emission factor in the updated PDD is 0.6482 tCO2/MWh with 0.7258 tCO2/MWh for the operating margin and 0.4153 tCO2/MWh for the build margin, respectively. VVB confirms that the updated grid emission factor in line with the accordingly with the Turkish Ministry of Energy and Natural Resources latest

publication[7] dated as 06/10/2021 and the same has been calculated to be in line with the "IPCC's Clean Development Methodology Tool 07-Tool to calculate the emission factor for an electricity system" version 07.0 as indicated in the relevant publication.

Besides that, step wise approach in the Tool "Assessment of the validity of the original/current baseline and update of the baseline at the renewal of the crediting period" version 03.0.1 has been followed by PP and the same has been checked and confirmed by the validation team.

- **Principle 2: Safeguarding Principles**

PP has completed the safeguarding principles assessment analysis and presented assessment in the PDD. The assessment has been performed in accordance to requirements prescribed in the GS4GG Principles & Requirements, Version 1.2 & Safeguarding Principles & Requirements version 1.2.

The number of employees and trainings under Principle 6.1 Labour Rights, public health and safety under Principle 3.3.1 Community health, safety and working conditions, other pollutants (waste water), other pollutants (hazardous waste including waste oil), other pollutants (noise) and other pollutants (domestic waste) under Principle 9.4 Release of pollutants, soil condition under Principle 9.7 Harvesting of forests and the number of bird strikes to the turbines under Principle 9.10 - High conservation value areas and critical habitats will be monitored during the 2nd CP.

The number of employees and the provided trainings under Principle 6.1 Labour Rights will be monitored through the social security records and training records and certificates, respectively during the 2nd CP.

The public health and safety parameter under Principle 3.3.1 Community health, safety and working conditions will be monitored through the taken precautions

The project hasn't significant impact on the birds and surrounding environment in line with the ornithology reports prepared by the relevant technical experts and dated as 11/2016 and 10/2017. There hadn't been any complaint by the interviewed local stakeholders regarding this issue during the online (remote) CP renewal validation site visit, either. The number of bird strikes to the turbines (biodiversity parameter) under Principle 9.10 - High Conservation Value Areas and Critical Habitats will also be monitored during the 2nd CP through the site observations and records and interviews with the local stakeholders.

The wastewater and hazardous waste transfer and disposal process will be handled properly and there hadn't been any complaint by the interviewed local stakeholders during the online (remote) CP renewal validation site visit regarding the waste management practices. The waste water and hazardous waste parameters including waste oil under Principle 9.4 Release of pollutants will be monitored during the 2nd CP through the wastewater transfer and disposal records.

The domestic waste will be handled properly and there hadn't been any complaint by the interviewed local stakeholders during the online (remote) CP renewal validation site visit regarding the waste management practices. The domestic waste under Principle 9.4 Release of pollutants will also be monitored during the 2nd CP through the photographic evidences of domestic waste containers.

[7] Please see the link:
(https://enerji.gov.tr/Media/Dizin/EVCED/tr/%C3%87evreVe%C4%B0klim/%C4%B0klimDe%C4%9Fi%C5%9Fikli%C4%9Fi/T%C3%BCrkiyeUlusalElektrik%C5%9EebekesiEmisyonFakt%C3%B6r%C3%BC/Belgeler/EK-2.pdf

The Project Introductory Files document dated as 28/01/2008 and 02/2013 (including capacity increase) and EIA Not Required decision document dated as 02/04/2013 for the capacity increase in the project and issued by Manisa Governorship Environment and Urbanization Directorate has also been reviewed by the validation team.

Based on the mentioned document review and interviews with the local stakeholders, it could be confirmed by the validation team that the project activity complies with the local environmental regulations including Environmental Law (numbered as 872 and dated as 17/07/2008), Electricity Market Law (numbered as 4628 and dated as 03/03/2001), Law on Utilization of Renewable Energy Resources for the Purpose of Generating Electrical Energy (numbered as 5346 and dated as 18/05/2005) and Energy Efficiency Law (numbered as 5627 and dated as 02/05/2007) and any significant negative environmental impacts haven't been expected during the 2nd CP.

- **Principle 3: Stakeholder Inclusivity**

The local stakeholders had been interviewed about the following issues during the online CP renewal validation site visit:

- Noise due to the project activity
- Sufficiency of local employment
- Waste management practices implemented by PP
- Impact of the project on flora and fauna including bird life
- Impact of the project on soil condition

It was also concluded that the grievance mechanism is in place and this was also confirmed by the interviewed local stakeholders during the online CP renewal validation site visit. Similarly, the signed document (dated as 14/01/2022) about the contact details of the PP relevant staff in case of any complaint by Göktaş Village and whether there is any complaint received by the Mukhtar (Village Head) from the local stakeholders.

CAR-5 was issued regarding this issue and closed out during the CP renewal validation. Please see CAR-5 in Appendx-1 of the report for further details.

Based on the mentioned document review and interviews with the local stakeholders, it could be confirmed by the validation team that the grievance mechanism in place and there hadn't been any complaint by the interviewed local stakeholders during the online CP renewal validation site visit.

- **Principle 4: Demonstration of real outcomes**

The monitoring plan for the project activity is provided in Section B.7 of the PDD. The following parameters will be monitored during the 2nd CP in line with ACM0002 version 20.0 and the relevant CDM and Gold Standard requirements as in Table 3-3 below:

Table 3-3: Monitoring plan parameters

Parameter and description	Relevant SDG Indicator	Unit	Monitoring
Water quality and quantity	SDG-6 (Target: 6.3 Indicator 6.3.1)	m^3	a) Average Amount of Cooling Wastewater Avoided annually: The avoided wastewater amount will be calculated accordingly through the multiplication of the net electricity generation through EPIAS records and the fixed ex-ante wastewater discharge factor (26 m^3 / GWh) linked to electricity generation. The expected annual avoided wastewater amount is 8,006,243 m^3 during the 2nd CP. b) Average Amount of Domestic Wastewater Generated annually: The amount of domestic waste water due to the daily activities of the employees will be calculated through the exact number of employees and the fixed ex-ante value (0.189 m^3) for the daily water usage per worker. The expected annual generated domestic wastewater amount by the employees is 1035 m^3 during the 2nd CP.
Net electricity exported to the grid by the project ($EG_{PJ,y}$)	SDG7 (Target:7.2 Indicator:7.2.1)	MWh	This value will be monitored continuously and recorded monthly by the electricity meters that belong to TEIAS, Turkish Electricity Transmission company. The main source of generation data is EPIAS (the financial settlement centre of TEIAS) records. The quantity of net electricity delivered to the grid is cross checked with the meter reading records of TEIAS meters. 307,500 MWh/year of net electricity is expected to be supplied by the project activity to the grid during the 2nd CP.
Quantitative employment and income generation	SDG 8 (Target 8.8 Indicator 8.8.2)	Number of employment	Number of employment is monitored through Social Security System (SGK) records. The project is expected to provide between 15 employments during the 2nd CP. The target will be monitored by the number of full-time

Parameter and description	Relevant SDG Indicator	Unit	Monitoring
			employees with the SGK records during the verification process for the 2nd CP.
Quality of employment	SDG 8 (Target 8.8 Indicator 8.8.2)	Number trainings given to employees	It is expected to be provided at least 1 training for each employee annually during the 2nd CP. The positions at the wind power projects require skilled workers which will be achieved by adequate training. Training attendance records or training certificates will be provided during the verification process for the 2nd CP.
Air quality (GHG emission reduction through the project, ER_y)	SDG 13 (Target: 13.3 Indicator: 13.3.1)	tCO_2e	Emission reductions will be calculated by considering the EPIAS records for the net electricity generated and the grid emission factor, 0.6482 tCO2/MWh, published by Turkish Ministry of Energy and Natural Resources and fixed ex-ante during the 2nd CP. Based on that, the annual emission reduction estimated by the project is 199,321 tCO_2e approximately during the 2nd CP.
Air quality (Emissions other than GHGs, i.e. CO, NMVOC and NOx emissions avoidance)	SDG 13 (Target: 13.3 Indicator: 13.3.1)	t	CO, NMVOC and NOx emissions avoidance through the project will be monitored within SDG-13 during the 2nd CP and the fixed ex-ante emission intensity values are 0.098 tons/GWh, 0.009 tons/GWh and 1.135 tons/GWh, respectively. Therefore, annual emission avoidance with project implementation is expected to be 30.05 tons, 2.89 tons and 348.90 tons, respectively during the 2nd CP.

CAR-6 was issued regarding the monitoring process and closed out during the CP renewal validation. Please see CAR-6 in Annex-1 of the report for further details. There hasn't been any sampling approach employed for this project.

By document review and interviews handled during the online (remote) site visit, it is confirmed by the validation team that the monitoring plan is in compliance with the requirements stated in the applied monitoring methodology can be properly implemented and all monitoring arrangements are feasible within the project design, and the means of implementation of the monitoring plan, including data management and quality assurance and quality control

procedures, are sufficient to ensure that the emission reductions to be achieved by the project activity can be properly reported and verified. Besides that, SDG Impact Tool is assessed and confirmed by the validation team that it has been prepared in line with the requirements of SDG Impact Tool Manual and excel-based standardized SDG Impact Tool template.

Besides that, there has been following two FARs from 2nd verification process in the 1st CP including its GS issuance review process as in below:

FAR-1: "The project participant has developed a plan to plant 100 trees in 2013. The DOE conducting the next verification should verify the tree planting progress in 2013 in accordance with this plan".

117 sapling purchase receipt dated as 26/04/2013 and photographic evidences for the plantation have been provided. Hence, this FAR has been closed out based on the document review.

FAR-2: "The DOE shall verify the Health and Training planned in February 2013 and confirm if the entire staff is planned to be trained or not".

The training records about basic HSE, electrical hazards and fire-fighting and dated as 09/02/2013, 10/09/2013 and 07/10/2013 have been provided. Hence, this FAR has been closed out based on the document review.

CL-2 was issued regarding this issue and please see CL-2 in Annex-1 of the report for further details.

- **Principle 5: Financial Additionality & Ongoing Financial Need**

The additionality has been checked and confirmed during the initial validation of the project, so no new additionality assessment hasn't been handled during the CP renewal validation.

The signed declaration by PP dated as 24/03/2022 and confirming that the finance derived from GS certification has significant contribution to the maintenance and system usage fees of the project has been provided. Besides that, revised IRR calculations with the increase in expected carbon price (with the assumption of 3 € / CO_2) equity IRR result (10.27%) is still lower than the benchmark (11.48%) available in the registered PDD indicating that the project still needs financial and GS issuance records through GS registry link of the project (https://registry.goldstandard.org/projects/details/1132) have also been provided.

CAR-4 was issued regarding this issue and closed out during the CP renewal validation. Please see CAR-4 in Annex-1 of the report for further details.

The project activity is additional as checked and confirmed during the initial validation and in compliance with the GS4GG Principle & Requirements. Similarly, it can be concluded and confirmed by the validation team through the document review (through by an overview of project revised IRR calculations based on the increase in carbon price and GS issuance records) that the finance derived from GS certification contributes to the ongoing financial sustainability of the project.

Furthermore, double counting issue was also assessed and the validation team has also checked the I-REC Registry (https://evident.services/device-register) wherein in total 321 projects from Turkey are listed as of CP renewal validation report date and this project isn't available within I-REC Registry database. Similarly, VCS project database (http://vcsprojectdatabase.org/#/home)

and GCC project database (https://projects.globalcarboncouncil.com/pages/submitted_projects) were checked and this project isn't available within VCS and GCC projects' databases, either. Given that CDM projects are not applicable in Turkey and the project does not appear on domestic REC scheme, I-REC, VCS and GCC registries, it could be confirmed that no RECs and other VER carbon credits are being issued for the project at the time of this CP renewal validation. Besides that, the issuance of no REC and VERs for the project through the other schemes has been confirmed by the signed and sealed declaration letter by PP and dated as 25/03/2022.

Therefore, it could be confirmed by the validation team through the document review that no RECs and other VER carbon credits are being issued for the project at the time of this CP renewal validation.

3.10 Calculation algorithm and/or formula used to determine emission reductions

SDG-6: Contribution

SDG-6 Target: 6.3 Indicator 6.3.1: Water quality and quantity

The project is expected to provide the avoidance of 8,006,243 m^3/year wastewater discharge comparing with the baseline situation during the 2nd CP. The net electricity generation will be checked from the EPİAŞ records and the wastewater discharge factor linked to electricity generation is taken as: 26 m^3/GWh, as fixed ex-ante for the 2nd CP. The avoided wastewater amount will be calculated accordingly through the multiplication of the net electricity generation and the wastewater discharge factor linked to electricity generation.

Baseline situation*:*

In baseline situation, the baseline value is expected to be 8,006,243 m^3/year for the 2nd CP.

Project situation:

The project is expected to generate 1035 m^3/year through the daily water consumption of the employees for the 2nd CP.

SDG-7: Contribution

SDG-7 Target 7.2 Indicator 7.2.1:

The project is expected to generate net electricity of 307,500 MWh annually and the same has been checked through the electricity generation licence and registered PDD for the second crediting period. This value will be monitored continuously and recorded monthly by the electricity meters that belong to TEIAS, Turkish Electricity Transmission Company. The main source of generation data is EPIAS (the financial settlement centre of TEIAS) records. The quantity of net electricity delivered to the grid is cross checked with the meter reading records of TEIAS sealed meters.

There are four electricity meters as two main meters and two back up meters. All meters are inspected and sealed by TEIAS before the commissioning of the power plant in order to be protected from interference by any of the parties and the relevant information about the electricity meters including the serial numbers have been provided by the PP. The periodic calibration of the meters will be done every 10 years after the initial assembly of the meters as in the initial

validation and as confirmed through the relevant legal regulation[8] but there will be also periodic meter tests handled by TEIAS.

The currently available electricity meters are as follows at the time of second CP renewal validation as in Table 4-1 below:

Table 4-1: Electricity meters details

Meter type	Meter model	Serial numbers	Accuracy class	Last meter test date
Main meters	EMH - LZQJXC	8923689 (Soma I WPP & TR-1) 8923691 Soma II WPP (TR-2)	0.2s	19/09/2021
Back-up meters		8923690 (Soma I WPP & TR-1) 8923692 (Soma II WPP TR-2)		

The registered capacity of the project during the 2nd CP is 90 MW but ten turbines (T-37, T-38, T-39, T-40, T-41, T-42, T-43, T-44, T-45 and T-46) had been included on 05/11/2016 and 16/12/2016, respectively. However, the capacity addition (design change) process hasn't been initiated by PP in line with the Gold Standard rules, the capacity addition component is not eligible and the next verification will be handled without the capacity addition component. Gold Standard registered capacity of the project (90 MW) is considered and the electricity generation and the emission reduction of the added ten turbines (T-37, T-38, T-39, T-40, T-41, T-42, T-43, T-44, T-45 and T-46) through SCADA screenshots will be excluded for the next verification.

Baseline situation*:*

In baseline situation, there is no renewable electricity generation. Therefore, baseline outcome is zero.

Project situation:

The net electricity from the project will be measured through the electricity meters which have been controlled and maintained by TEIAS. The project is expected to generate net electricity of 307,500 MWh annually and 2,152,500 MWh totally during the 2nd CP.

SDG 8: Contribution

SDG 8 Target 8.8 Indicator 8.8.2: Quantitative employment and income generation

SDG 8 Target 8.8 Indicator 8.8.2: Quality of employment

[8] Paragraph b) of the Article 9 of the 'Regulation of Metering and Testing of Metering Systems' (https://www.mevzuat.gov.tr/mevzuat?MevzuatNo=6381&MevzuatTur=7&MevzuatTertip=5)

Number of employment is monitored through Social Security System (SGK) records. The project is expected to provide between 15 employments and at least 1 training for each employee annually during the 2nd CP. The target will be monitored by the number of full-time employees with the SGK records during the verification process.

The positions at the wind projects require skilled workers, which will be achieved by adequate training. Training attendance records or training certificates will be provided during the verification process for the 2nd CP. The project also provides workers with a safe and healthy work environment.

Fair wage and working hours and occupational injuries will also be monitored through the interviews with the employees.

Baseline situation*:*

In baseline situation, no new job created and there is no training. Therefore, baseline outcome is zero.

Project situation*:*

In project situation, the number of created job will be recorded by the PP and 10 employment is expected to be provided during the 2nd CP. Besides that, at least 1 training for each employee is planned to be provided annually during the 2nd CP.

SDG-13: Contribution

SDG 13 Target 13.2 Indicator 13.2.2:

Baseline emissions correspond to emission reductions and are calculated as the net electricity generated by the project activity, multiplied with grid emission factor for grid connected power generation in year y.

Emission reductions will be calculated by considering the EPIAS records for the net electricity generated and the grid emission factor, 0.6482 tCO2/MWh, published by Turkish Ministry of Energy and Natural Resources and fixed ex-ante during the 2nd CP. The annual emission reduction estimated by the project is 199,321 tCO_2e approximately during the 2nd CP.

Besides that, CO, NMVOC and NO_x emissions avoidance through the project will be monitored within SDG-13 during the 2nd CP and the fixed ex-ante emission intensity values are 0.098 tons/GWh, 0.009 tons/GWh and 1.135 tons/GWh, respectively. Therefore, annual emission avoidance with project implementation is expected to be 30.05 tons, 2.89 tons and 348.90 tons, respectively during the 2nd CP.

The baseline emissions are calculated as follows in line with the ACM0002 version 20.0:

$BEy = EG_{PJ,y} \times EFgrid,y$

Baseline Emissions:

Baseline emission has been calculated by equation no 3 of the the ACM0002 version 20.0:

$BEy = EG_{PJ,y} \times EF_{grid,y}$

Where,
BEy: Baseline Emissions in year y (tCO_2e)

$EG_{PJ,y}$: 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 (MWh)

EFgrid,y: Combined margin CO_2 emission factor for grid connected power generation in year y calculated using the latest version of the "Tool to calculate the emission factor for an electricity system" (tCO_2/MWh)

$EG_{PJ,y}$ will be calculated as a difference between the measured values of export to grid and import from grid, which are sourced from monthly EPIAS records.

$EF_{grid,y}$ is the grid emission factor, 0.6482 tCO2/MWh, published by Turkish Ministry of Energy and Natural Resources and will be fixed ex-ante during the 2nd CP.

Therefore, annual average baseline emissions for the project activity are expected to be as follows during the 2nd CP:
$BE_y = EG_{PJ,y} \times EF_{grid,CM,y} = 307{,}500 \times 0.6482 = 199{,}321\ tCO_2e$

Project Emissions:

The project activity involves the generation of electricity by the wind power plant. Therefore, the generation of electricity does not result in greenhouse gas emissions and so, the project emission is taken as 0 tCO2e / year in line with applied methodology, ACM0002 version 20.0.

Leakage (LE_y):

The technology used in this project is neither transferred to nor transferred from another activity, so the leakage is considered to be 0 tCO2e / year in line with the applied methodology, ACM0002 version 20.0.

Emission reduction:

The total emission reduction achieved in a year would be:

$ER_y = BE_y - PE_y - LE_y$

Where,
ER_y = Emission reductions for the year for which ERy is being calculated in tCO2e

BE_y = Baseline emissions for the year for which BEy is being calculated in tCO2e (Emission reduction of the added ten turbines (T-37, T-38, T-39, T-40, T-41, T-42, T-43, T-44, T-45 and T-46) through SCADA screenshots will be excluded)

PE_y =Project emissions for the year for which PEy is being calculated in tCO2e

LE_y = Leakage in year y in tCO2e

$ER_y = BE_y = EG_y * EF_{grid,CM}$ = 307,500 MWh/year * 0.6482 tCO2/MWh = 199,321 tCO2e/year

Findings:

CAR-2, CAR-3 and CAR-7 were issued regarding this issue and closed out during the CP renewal validation. Please see CAR-2, CAR-3 and CAR-7 in Appendix-1 of the report for further details.

Therefore, the validation team confirms that:

a) The selection of the equations of the applied methodology is appropriate.

b) The assumptions used by the project have been clearly referenced and listed in the PDD.

c) The data included in the PDD has been adopted from authentic sources based on appropriate assumptions.

d) Appropriate values are reasonably used relating to the project activity.

e) The baseline methodology has been correctly applied for the calculation of emission reductions.

f) The calculations are traceable and the values can be replicated using the data provided in the PDD.

LGAI Technological Center, S.A.
Campus UAB – Ronda de la Font del Carme, s/n
08193 Bellaterra – Barcelona
(Spain)
Tel.:+34 93 567 20 08
Fax.:+34 93 567 20 01
www.appluscertification.com

4. REFERENCE

LIST OF DOCUMENTS	
S. No.	**Document/Evidence/Reference/Web link, Version, Date**
D1	Registered PDD version 3.3, dated 04/07/2012 (1st CP)
D2	Registered GS Passport
D3	Initial Validation Report version 05, dated 27/04/2012
D4	Revised Initial PDD version 04 dated 05/04/2022
D5	Revised PDD version 05 dated 27/05/2022
D6	Revised PDD version 06 dated 16/06/2022
D7	Revised PDD version 07 dated 09/08/2022
D8	Final PDD version 08 dated 06/10/2022
D9	ER Calculation Excel Spreadsheet version 01, dated 05/04/2022
D10	ER Calculation Excel Spreadsheet version 02, dated 27/05/2022
D11	ER Calculation Excel Spreadsheet version 03, dated 16/06/2022
D12	ER Calculation Excel Spreadsheet version 04, dated 06/10/2022
D13	SDG Impact Tool Excel Template version 01, dated 05/04/2022
D14	SDG Impact Tool Excel Template version 02, dated 27/05/2022
D15	SDG Impact Tool Excel Template version 03, dated 16/06/2022
D16	SDG Impact Tool Excel Template version 04, dated 09/08/2022
D17	SDG Impact Tool Excel Template version 05, dated 06/10/2022
D18	Audit Techniques Template version 01, dated 01/03/2022
D19	Audit Techniques Template version 02, dated 26/10/2022
D20	ACM0002 Grid-connected electricity generation from renewable sources version 20.0
D21	GS4GG Principles & Requirements (version 1.2, dated 23/10/2019) (https://globalgoals.goldstandard.org/101-par-principles-requirements/)
D22	Renewable Energy Activity Requirements (version 1.4, dated 16/08/2021) (https://globalgoals.goldstandard.org/standards/202_V1.2_AR_Renewable-Energy-Activity-Requirements.pdf
D23	Stakeholder Consultation and Engagement Requirements (version 1.2, dated 24/10/2019) (https://globalgoals.goldstandard.org/102-par-stakeholder-consultation-requirements/)
D24	SDG Impact Tool Manual (https://globalgoals.goldstandard.org/430g-iq-sdg-impact-tool-manual/)
D25	CDM Validation and Verification Standard for Project Activities version 3.0
D26	CDM Project Standard for Project Activities version 3.0
D27	Tool to calculate the emission factor for an electricity system version 7.0
D28	Tool for the demonstration and assessment of additionality version 5.2
D29	Tool: Assessment of the validity of the original/current baseline and update of the baseline at the renewal of the crediting period version 3.1

D30	Turkish National Electricity Network Emission Factor Information (https://enerji.gov.tr/Media/Dizin/EVCED/tr/%C3%87evreVe%C4%B0klim/%C4%B0klimDe%C4%9Fi%C5%9Fikli%C4%9Fi/T%C3%BCrkiyeUlusalElektrik%C5%9EebekesiEmisyonFakt%C3%B6r%C3%BC/Belgeler/EK-2.pdf) dated 06/10/2021
D31	Final Issuance Review Document (2nd Verification of 1st CP) dated 10/07/2013
D32	Final 2nd Verification Report (1st CP) version 02 dated 20/03/2013
D33	Meter Test Reports dated 08/07/2010, 13/08/2010, 14/10/2019, 15/10/2019 and 19/09/2021
D34	Ornithology Reports dated 11/2016 and 10/2017
D35	Electricity Generation Licence (Initial Issuance dated as 18/04/2019 on behalf of Bilgin Güc Santralleri Enerji Üretim A.S.)
D36	Sapling Purchase Receipt dated as 26/04/2013
D37	Photographic Evidences for the Plantation
D38	Signed Declaration by PP (About Confirmation and Avoidance of Double Counting dated as 25/03/2022)
D39	Project Introductory Files documents dated as 28/01/2008 and 02/2013 (including capacity increase)
D40	Capacity Increase EIA Not Necessary Decision dated 02/04/2013
D41	Provisional Acceptance Protocols dated as 13/08/2010, 23/09/2010, 11/11/2010, 05/11/2016 and 16/12/2016
D42	CP Renewal Validation Service Agreement dated as 15/02/2022
D43	Signed Letter by the Mukhtar dated as 14/01/2022 (About the Contact Details of PP Relevant Staff in case of Any Complaint by Göktaş Village Stakeholders)
D44	Photographic Evidences About Communication with Göktaş Village Local Stakeholders
D45	Revised IRR Calculation Excel Spreadsheet dated as 05/04/2022 (Based on Assumption of 3 € Carbon Price)
D45	Signed Declaration by PP dated as 24/03/2022 (Confirming That the Finance Derived From GS Certification Has Significant Contribution To The Project Maintenance and System Usage Fees)
D46	Signed Declaration by PP dated as 24/08/2022 (Confirming That Being Only PP at the Time of CP Renewal Validation Process)
D47	Sample Donation Records
D48	Social Security Records of PP Site Employees
D49	Training Records dated as 09/02/2013, 10/09/2013 and 07/10/2013 (About basic HSE, electrical hazards and fire-fighthing)
D50	Turbines Technical Documents
D51	Sample Scada Screenshots for Additional Turbines
D52	Site Photos dated as 25/03/2022

5. FINAL PROJECT DESIGN CERTIFICATION RENEWAL STATEMENT

Applus+ Certification has performed the CP renewal validation of the "Soma Wind Power Plant". The CP renewal validation was performed on the basis of UNFCCC criteria of CDM validation and verification standard for project activities, Version 03.0, Gold Standard GS4GG guideline and host country criteria, as well as criteria given to provide for consistent project operations, monitoring and reporting.

The review of the GS4GG PDD and the subsequent follow-up interviews has provided Applus+ Certification with sufficient evidence to determine the fulfillment of stated criteria. In our opinion, the project meets all relevant UNFCCC and Gold Standard requirements for the Gold Standard and all relevant host country criteria. The project will hence be recommended by Applus+ Certification for renewal of crediting period with the Gold Standard Registry.

By displacing fossil fuel-based electricity with electricity generated from a renewable source, the project results in reductions of CO2 emissions that are real, measurable and give long-term benefits to the mitigation of climate change. Emission reductions attributable to the project are hence additional to any that would occur in the absence of the project activity. Given that the project is implemented as designed, the project is likely to achieve the estimated amount of annual emission reductions of 199,321 tCO2e as GS VERs.

The CP renewal validation has been performed following the requirements of the latest version of the CDM validation and verification standard for project activities, Version 03.0, Gold Standard GS4GG rules and requirements and on the basis of the CP renewal validation service agreement.

In detail the conclusions can be summarized as follows:

- The project does not result in negative social, environmental and/or economic impacts.
- The project contribution to Environment, Social Development and Economic and technological development.
- The project additionality and ongoing financial need of the project is sufficiently justified in the Gold Standard PDD.
- The project does not result in diversion of ODA.
- Conservative assumptions were applied in the project description.
- The monitoring plan of SD parameters is transparent and adequate.
- The project meets the stakeholder consultation requirements.

The conclusions of this report show, that the project, as it was described in the project documentation, is in line with all criteria applicable for the CP renewal validation.

LGAI Technological Center, S.A.
Campus UAB – Ronda de la Font del Carme, s/n
08193 Bellaterra – Barcelona
(Spain)
Tel.:+34 93 567 20 08
Fax.:+34 93 567 20 01
www.appluscertification.com

Date: 26/10/2022

Lead Auditor: Mr. Anıl Söyler
Tech. Expert: Mr. Anıl Söyler
Tech. Reviewer: Mr. David Lubanga

Approver *(Applus+ Certification VVB Technical Manager)*
Mr. Agustín Calle de Miguel

ASSESSMENT TEAM	
Lead Auditor: Mr. Anıl Söyler	**Technical Reviewer:** Mr. David Lubanga
Signature: 	Signature: 
Approver: Mr. Agustín Calle de Miguel	
Signature: 	

LGAI Technological Center, S.A.
Campus UAB – Ronda de la Font del Carme, s/n
08193 Bellaterra – Barcelona
(Spain)
Tel.:+34 93 567 20 08
Fax.:+34 93 567 20 01
www.appluscertification.com

Appendix 1: Corrective Action Request/Clarification Request/Forward Action Request Resolution Table

Type:	☒ CAR ☐ CL/CR ☐ FAR	Number:	01
Raised by:	Anıl Söyler	Ref. to checklist in GS4GG PDD:	-
Description of the audit finding		Date:	30/03/2022
a) Please include the date of first submission in the cover page of the PDD. b) Please include the completion date of version in the cover page of the PDD. c) Please correct the PDD version in the cover page of the PDD. d) Please include the version of registered PDD in the cover page of the revised PDD. e) Please include Annex-3 of the PDD in line with the relevant PDD template. f) Please provide the final version of GS issuance review document of the second verification process.			
Project Participant's response		Date:	27/05/2022
a) The date of the first submission is now included on the cover page of the PDD. b) The completion date of the version is now included on the cover page of the PDD. c) The PDD version is now corrected on cover page of the PDD. d) The version of registered PDD is now included on the cover page of the PDD. e) Annex-3 of the PDD is now included in line with the relevant PDD template. f) The final version of GS issuance review document of the second verification process is now provided.			
Documentation provided as evidence by Project Participant			
Revised PDD			
Auditor's assessment comment		Date:	30/05/2022
a) Ok Closed (Cover page of the PDD has been revised accordingly). b) Ok Closed (Cover page of the PDD has been revised accordingly). c) Ok Closed (Cover page of the PDD has been revised accordingly). d) Ok Closed (PDD has been revised accordingly). e) Ok Closed (Annex-3 has been included accordingly9. f) Ok Closed (GS issuance review document has been provided).			

Type:	☒ CAR ☐ CL/CR ☐ FAR	Number:	02
Raised by:	Anıl Söyler	Ref. to checklist in GS4GG PDD:	-
Description of the audit finding		Date:	30/03/2022
a) Please include the estimated value for the training parameter under SDG-8 in Table-1. b) Please include the references for the geographical coordinates of the turbines in Table-3. c) Please correct the reference as "Hata! Başvuru kaynağı bulunamadı." throughout the PDD. d) Please correct the ER issuance period considering the current status of the project in the Section A.3 of the PDD. e) Please clarify the crediting period number throughout the PDD. f) Please clarify the meaning and relevance of last sentence in the Section B.2 of the MR. g) Please correct the font size in the Section B.5 of the PDD (e.g. Sub-step 2c) h) Please provide reference documents for the turbines referred in the PDD.			
Project Participant's response		Date:	27/05/2022
a) The estimated value for the training parameter is now included under SDG-8 in Table-1. b) The reference for the geographical coordinates of the turbines is now provided in Table-3 as a footnote. c) All references that aren't working are now revised.			

d) The ER issuance period is now revised in Section A.3 of the PDD, considering the Project's current status. e) The crediting period number is now revised throughout the PDD. f) The last paragraph of the Section B.2 assessed the applicability of used Tools. Applicability assessment of the tools used is now provided in a tabular format in Section B.2. g) The font size is now corrected in the Section B.5 of the PDD. h) Turbine Brochures of the used turbines are now provided showing the technical details of the all turbines used.
Documentation provided as evidence by Project Participant
Revised PDD and Turbine Docs

Auditor's assessment comment	Date:	30/05/2022
a) Ok Closed (The estimated value for the training parameter under SDG-8 in Table-1 has been included). b) Ok Closed (The reference has been included as the generation licence and it is confirmed by the validation team). c) Ok Closed (PDD has been revised by PP accordingly). d) e) Ok Closed (Section A.3 of the PDD has been revised by PP accordingly). f) Ok Closed (Section B.2 of the PDD has been revised by PP accordingly and last sentence has been deleted). g) Ok Closed (Section B.5 of the PDD has been revised by PP accordingly). h) Ok Closed (The reference documents for the turbines have been provided).		

Type:	☒ CAR ☐ CL/CR ☐ FAR	Number:	03
Raised by:	Anıl Söyler	Ref. to checklist in GS4GG PDD:	-
Description of the audit finding		Date:	30/03/2022
a) Please use the latest available EFgrid,CM,y value and please revise all calculations and the associated links throughout the ER Calculation Excel spreadsheet and PDD accordingly. b) Please include the estimated values for CO, NMVOC and NOx emissions under SDG-13 parameter in the Section B.6.4 of the MR. c) Please correct the number of days for 2017 in the Monitoring Plan Excel spreadsheet. d) Please correct the partial inclusion for SDG-7 and SDG-13 parameters in the Section B.6.4 of the PDD. e) Please include ex ante estimates of each SDG impact including all SDG-6, SDG-8 and SDG-13 parameters. f) Please correct the table for SDG-7 in the Section B.6.4 of the PDD. g) Please revise the PDD based on above corrections.			
Project Participant's response		Date:	27/05/2022
a) The Ministry of Energy published the latest official emission factor for the national grid for 2019. This factor is used in all calculations and ER Excel sheets. References given for the emission factor are now revised. b) The estimated values for CO, NMVOC and NOx emissions are now included under the SDG-13 parameter in Section B.6.4 of the PDD. c) The number of days for 2017 is now corrected in the Monitoring Plan Excel spreadsheet. d) The partial inclusion of the SDG-7 and SDG-13 parameters is now corrected in Section B.6.4 of the PDD. e) Ex-ante estimates of the SDG-6, SDG-8 and SDG-13 parameters are now included. f) The table for SDG-7 is now corrected in the Section B.6.4 of the PDD. g) The PDD is now revised based on above corrections.			
Documentation provided as evidence by Project Participant			

Revised PDD		
Auditor's assessment comment	Date:	30/05/2022
a) Ok Closed (Excel spreadsheet has been revised by PP accordingly). b) Ok Closed (Section B.6.4 of the PDD and Excel spreadsheet have been revised by PP accordingly). c) Ok Closed (Excel spreadsheet has been revised by PP accordingly). d) Ok Closed (Section B.6.4 of the PDD has been revised by PP accordingly). e) Ok Closed (Section B.6.4 of the PDD and Excel spreadsheet have been revised by PP accordingly and the ex-ante estimates of each SDG impact including all SDG-6, SDG-8 and SDG-13 parameters have been included). f) Ok Closed (Section B.6.4 of the PDD has been revised by PP accordingly). g) Ok Closed (PDD has been revised accordingly).		

Type:	☒ CAR ☐ CL/CR ☐ FAR	Number:	04
Raised by:	Anıl Söyler	Ref. to checklist in GS4GG PDD:	-
Description of the audit finding		Date:	30/03/2022
a) Please provide a short narrative that demonstrates how the revenue from Gold Standard certification is material to the ongoing sustainability of the project along with the relevant evidence. b) As per Principles & Requirements document paragraph 4.1.52, please include some data and numbers to show the contribution of GS revenues (this info does not have to be in PDD but has to be submitted to VVB). c) Please provide the declaration referred in the Section B.5.2 of the PDD. d) Please clarify if there is any planned verification for the 1st CP of the project along with the relevant evidence.			
Project Participant's response		Date:	27/05/2022
a) A short narrative is now provided under Section B.5.2 that demonstrates how the revenue from Gold Standard certification is material to the ongoing sustainability of the Project. b) The documents showing the contribution of GS revenues to the Project Activity are now provided to the VVB for review. c) The related documents are now provided. d) Two verifications were conducted for the 1st CP. The first verification was conducted for the period of 13/08/2010-30/06/2012; the second verification was conducted for the period of 01/07/2012 - 31/12/2012. Verification reports and final GS issuance reviews for both verification processes are now provided. The dates are now included in the PDD.			
Documentation provided as evidence by Project Participant			
GS Certification Financial Evidence Documents & GS Registry Project Issuance Information			
Auditor's assessment comment		Date:	30/05/2022
a) Ok Closed (Section B.5.2 of the PDD has been revised by PP accordingly). b) Ok Closed (Section B.5.2 of the PDD has been revised by PP accordingly. Besides that, the signed declaration by PP confirming about contribution of GS certification income to the project related costs and some sample turbine maintenance and system usage payment evidences and project GS issuance records through GS registry have been provided. Finally, project IRR (10.27%) is still lower than the benchmark value (11.48%) identified during the initial validation even with the project			

carbon income (assuming 3 EUR/tCO2 carbon price as conservative value) through the provided revised IRR calculation).

c) Ok Closed (The signed declaration by PP (dated as 24/03/2022) confirming about contribution of GS certification income to the project related costs).

d) Ok Closed (Project GS issuance records through GS registry including the period from 1st CP have been provided).

Type:	☒ CAR ☐ CL/CR ☐ FAR	Number:	05
Raised by:	Anıl Söyler	Ref. to checklist in GS4GG PDD:	-
Description of the audit finding		Date:	30/03/2022

a) Please provide the procedures or methods used for engaging local stakeholders in the Section E.1 of the PDD.

b) Please include the current status of the on-going communication with the local stakeholders in the Section E.1 of the PDD.

c) Please provide the procedures or methods used for documenting the outcomes of the local stakeholder communication in the Section E.1 of the PDD.

d) Please provide the signed document about the contact details of the PP relevant staff in case of any complaint by relevant villages and whether there is any complaint received by the Muhktar from the local stakeholders.

e) Please explain in the Section E.1 of the PDD why no complimentary consultation has been conducted with the stakeholders regarding CP renewal.

f) Please clarify whether there is any complaint during the first crediting period in the Section E.1 of the PDD.

Project Participant's response	Date:	27/05/2022

a) The procedures used for engaging local stakeholders are now provided in Section E.1 of the PDD.

b) The current status of the ongoing communication with the local stakeholders is now included in Section E.1.

c) The procedures used for documenting the outcomes of the local stakeholder communication are now provided in Section E.1.

d) The signed document is now provided.

e) An explanation is now provided in Section E.1 of the PDD.

f) It is now clarified in Section E.1 of the PDD.

Documentation provided as evidence by Project Participant

Revised PDD and Declaration by Mukhtar (Göktaş Village Head)

Auditor's assessment comment	Date:	30/05/2022

a) Ok Closed (Section E.1 of the PDD has been revised by PP accordingly).

b) Ok Closed (Section E.1 of the PDD has been revised by PP accordingly and the details about the current status of the on-going communication with the local stakeholders have been provided).

c) Ok Closed (Section E.1 of the PDD has been revised by PP accordingly and the details about procedures or methods used for documenting the outcomes of the local stakeholder communication like the submission of the complaint log book and the confirmation by the Mukhtar that there hasn't been any complaint have been provided).

d) Ok Closed (The signed document by Göktaş Village Mukhtar and dated as 14/01/2022 has been provided). e) f) Ok Closed (Section E.1 of the PDD has been revised by PP accordingly).

Type:	☒ CAR ☐ CL/CR ☐ FAR	Number:	06
Raised by:	Anıl Söyler	Ref. to checklist in GS4GG PDD:	-
Description of the audit finding		Date:	30/03/2022
a) The bird monitoring parameter identified in the Section D.1 of the PDD hasn't been included among monitored parameters in the Section B.7.1 of the PDD. b) Please clarify whether the balance of payment and investments parameter is available in the registered Passport of the project. c) Please include all monitored sustainability parameters in the Section B.7.1 of the PDD in line with the registered Passport of the project. d) Please include in the Section B.7.1 of the PDD how the net electricity generation by the registered capacity of the project will be calculated taking additional turbines into account. e) Please clarify the reference to 2018 year in the B38 and D38 cells of Monitoring Plan Excel spreadsheet. f) Please clarify the reference to monitoring period in the H50 and I50 cells of Monitoring Plan Excel spreadsheet. g) Please clarify and correct the sentence: "Also, according to Article 11 of this Communiqué, meters shall be in the class of 0.5s, which means the error interval for measuring is in the +-0.5% range, which is well acceptable according to rules." in the Section B.7.1 of the PDD. h) Please clarify the accuracy class of the meters according to the currently available meters in the Section B.7.1 of the PDD. i) Please provide the signed declaration about the avoidance of double counting. j) Please provide the provisional acceptance protocols for all turbines including additional ones.			
Project Participant's response		Date:	27/05/2022
a) The bird monitoring parameter is now included in Section B.7.1 of the PDD. 30/05/2022 b) Since the balance of payment and investments parameter is not available in the registered Passport of the project, this parameter is now removed. c) The air quality parameter that monitors the dust emission during the project activity's construction period is now removed because the parameter is relevant during the construction period hence the first CP. All other parameters explained in the registered Passport are now added. d) SCADA system employed in the Project Activity provides the monthly electricity generation values for each turbine. Electricity generation for registered capacity will be calculated by deducting the net electricity generation values obtained from the SCADA system for the last 10 added turbines from the total generation data received from the EPIAS recordings. The SCADA screenshots showing the monthly generation amount of the latest added 10 turbines are now provided for review. Also, turbine-based generation data is backed up on Nordex servers' headquarters. TEIAS meter readings will be used for cross-checking. e) Turkish Statistical Institute publishes the wastewater discharge data every two years. The latest data published by the TURKSTAT belongs to the year 2020. The wastewater discharge amount and accordingly the electricity generation amount and the calculations are now revised according to the 2020 data. f) Due to the fact that it is annual data, the reference is now revised as per year. g) Following Article 11 of Communiqué on Meters to be Used in the Electricity Market in Turkey, the accuracy classes of the meters are selected depending on the nominal power of the main power transformer or circuit. If the power of the circuit to which the meter is connected is smaller than 100 MVA, the minimum accuracy shall be 0.5s. The meters used in this Project Activity is 0.2s which is a range that is a more competent and acceptable accuracy range than the 0.5s.			

h) The accuracy class of the meters is now clarified in the Section B.7.1 of the PDD. i) The signed declaration regarding avoidance of double counting is now provided. j) There are 46 turbines in the Project Activity, and the provisional acceptance protocols for all turbines have been provided.
Documentation provided as evidence by Project Participant
Revised PDD and Provisional Acceptance Protocols

Auditor's assessment comment	Date:	30/05/2022
a) Ok Closed (Section B.7.1 of the PDD has been revised by PP accordingly). b) Ok Closed ((Section B.7.1 of the PDD has been revised by PP accordingly). c) Ok Closed (Section B.7.1 of the PDD has been revised by PP accordingly). d) Ok Closed (Monitoring Plan Excel spreadsheet has been revised by PP accordingly). e) Ok Closed (Monitoring Plan Excel spreadsheet has been revised by PP accordingly). f) g) Ok Closed (Section B.7.1 of the PDD has been revised by PP accordingly and currently available electricity meter details have been provided). h) Ok Closed (The accuracy class information of currently available meters have been provided). i) Ok Closed (The signed declaration by PP and dated as 25/03/2022 has been provided). j) Ok Closed (The provisional acceptance protocols of all 46 turbines have been provided).		

Type:	☒ CAR ☐ CL/CR ☐ FAR	Number:	07
Raised by:	Anıl Söyler	Ref. to checklist in GS4GG PDD:	-
Description of the audit finding		Date:	30/03/2022
Please provide the SDG Impact Tool using the relevant template by Gold Standard.			
Project Participant's response		Date:	27/05/2022
The SDG Impact Tool is now provided.			
Documentation provided as evidence by Project Participant			
SDG Impact Tool Excel			
Auditor's assessment comment		Date:	30/05/2022
Ok Closed (SDG Impact Tool has been provided by PP).			

Type:	☒ CAR ☐ CL/CR ☐ FAR	Number:	08
Raised by:	Anıl Söyler	Ref. to checklist in GS4GG PDD:	-
Description of the audit finding		Date:	16/06/2022
a) The project title is incorrect in the cover page of PDD. b) - Please clarify if Bilgin Güc Santralleri Enerji Üretim A.S entity is the same as ***Bilgin Rüzgar Santrali Enerji Üretimi A.Ş*** which is appearing in the PDD and previous monitoring reports. - Please clarify the relation between ***Bilgin Güc Santralleri Enerji Üretim A.S.*** and **Yapısan Elektrik Üretim A.Ş** (GS1072).			

c) Please clarify why there were no issuances between 01/01/2013 – 12/08/2017 in the Section A.1 of the PDD. d) The investment analysis was originally based on 90MW and 307,500 MWh annual generation, and not 120 MW and 420,000 MWh. A clarification is required on the project's continued additionality argument and financial need, and a reevaluation conducted, if necessary, in the Section A.1 of the PDD. e) The PDD states 'The project type is power generation using Wind Energy, an eligible project type per 1.1.1 a) and 1.1.1 b) of the Eligible Project Types & Scope under Renewable Energy Activity Requirements.'. This should be changed to 'The project type is power generation using Wind Energy, an eligible project type per **2.1.2 a) and 2.1.2 b) of the Eligible Project Types** under Renewable Energy Activity Requirements. in the Section A.1.1 of the PDD.		
Project Participant's response	Date:	16/06/2022
a) The project's name is now revised to be Soma Wind Power Plant, in line with the registered PDD and the passport. Also, in validation and verification reports, the project activity is stated as Soma Wind Power Plant. The name stated in the GS Registry is now requested to be revised as Soma Wind Power Plant. b) As per the latest Generation License dated 18/04/2019 the name of the company was changed from Bilgin Rüzgar Santrali Enerji Üretim A.Ş. (this former name was presented in the generation license dated 17/07/2008) to Bilgin Güç Santrallerİ Enerji Üretim A.Ş. Additionally, as per Trade Registry Gazette dated 14/03/2019 (provided to the VVB for review), two separate legal entity being Bilgin Rüzgar Santrali Enerji Üretim A.Ş. and Bilgin Güç Santrallerİ Enerji Üretim A.Ş. were united to be one legal entity with the latest official legal name of Bilgin Güç Santralleri Enerji Üretim A.Ş. Yapisan Elektrik Üretim A.Ş. is not relevant for this project activity but GS 1072. The name of Yapısan Elektrik Üretim A.Ş. was changed to Bilgin Güc Santralleri Enerji Üretim A.S. on 04/12/2018. The related trade registry gazette was provided to the VVB as a supporting document proving the change of the name. c) The VER credits prices were quite low during those times in which this project should have held its verification process. Unfortunately, considering the cost of consultancy, VVB and GS fees for a verification process, it was not additional financial burden for Project Owner without meaningful revenue, to verify and issue the associated VERs. This was why the Project Owner of Soma Wind Power Plant did not initiate a verification process back then. This information is also added to Section A.1. d) The date is now revised to be 307,500 MWh. During the registration, project capacity was stated as 307,500 MWh following the Feasibility Study prepared by Garrad Hassan. For this CP renewal, the value of 360,120 MWh was obtained from the Generation License for 90MW. However, to be in line with the registered PDD and the approved additionality analysis, the generation value is now revised to be 307,500 MWh, not 360,120 MWh. e) Section A.1.1 of the PDD has now been revised accordingly.		
Documentation provided as evidence by Project Participant		
Revised PDD, ER Calculation Excel spreadsheet and SDG Impact Tool Excel Template		
Auditor's assessment comment	Date:	17/06/2022
a) Ok Closed (PDD has been revised accordingly). b) Ok Closed (The generation licence was already reviewed by the validation team and the PP is confirmed as Bilgin Güç Santralleri Enerji Üretim A.Ş. Yapısan Elektrik Üretim A.Ş. has no relation with this project). c) Ok Closed (Section A.1 of the PDD has been revised accordingly). d) Ok Closed (PDD has been revised and the net generation value (307,500 MWh) as confirmed during the initial validation report (Garrad Hassan Feasibility Report P50 Value) instead of 360,120 MWh (the one in the generation licence) has been taken into consideration and since the value is lower, the approach is conservative and accepted by the validation team). e) Ok Closed (Section A.1.1 of the PDD has been revised accordingly).		

Type:	☐ CAR ☒ CL/CR ☐ FAR	Number:	01
Raised by:	Anıl Söyler	Ref. to checklist in GS4GG PDD:	-
Description of the audit finding		Date:	30/03/2022
a) Please clarify the reference to the investment analysis in the Section B.5.1 of the PDD. b) Please clarify the initial sentence in the Step 1.1 of the Section B.4 of the PDD. c) Please clarify the applicability of Step 2 of "Tool 11: Assessment of the validity of the original/current baseline and update of the baseline at the renewal of the crediting period" to the project in the Section B.4 of the PDD.			
Project Participant's response		Date:	27/05/2022
a) According To PDD Template Guide, "only (non-CER) retroactive projects and all projects undergoing Design Changes to include new technologies/measures are required to demonstrate Prior consideration". Since the Project is regular and has no Design Change, it is marked as N/A. This information is now added to the PDD. b) Step 1.1 of Section B.4 is now clarified. c) During the First Crediting Period, the baseline scenario for the project had been defined as: "Electricity delivered to the grid by the project would have otherwise been generated by the operation of grid-connected power plants." The current baseline of the project is the same as the first crediting period and complies with the existing legal framework. No additional laws that impacted the project activity came into force, and the project activity is still in line with the available law and regulations. This information is now added to the PDD.			
Documentation provided as evidence by Project Participant			
Revised PDD			
Auditor's assessment comment		Date:	30/05/2022
a) Ok Closed (Section B.5.1 of the PDD has been revised by PP accordingly). b) Ok Closed (Step 1.1 of the Section B.4 of the PDD has been revised by PP accordingly). c) Ok Closed (Section B.4 of the PDD has been revised by PP accordingly).			

Type:	☐ CAR ☒ CL/CR ☐ FAR	Number:	02
Raised by:	Anıl Söyler	Ref. to checklist in GS4GG PDD:	-
Description of the audit finding		Date:	30/03/2022
There are two FARs from 2nd verification process in the 1st CP as in below: a) "The project participant has developed a plan to plant 100 trees in 2013. The DOE conducting the next verification should verify the tree planting progress in 2013 in accordance with this plan". b) "The DOE shall verify the Health and Training planned in February 2013 and confirm if the entire staff is planned to be trained or not". c) Please provide the final version of GS issuance review document of the second verification process and please include the FARs, if any, in there.			
Project Participant's response		Date:	27/05/2022
a) The Project Proponent purchased 117 trees on 26/04/2013 and planted them; relevant documents showing the receipts and tree planting are now provided for review. b) The certificates of Health and Training for 2013 are now provided to the VVB for review. c) The final version of the GS issuance review document of the second verification process is now provided. There is one FAR as below:			

Forward Action Request (FAR) # 1: The DOE shall verify the Health & Safety training planned in February 2013 and confirm if the entire staff is planned to be trained or not in the next verification report. Health and Safety training certificates belonging to the year 2013 are now provided.		
Documentation provided as evidence by Project Participant		
Sapling Purchase Receipt, Training Records dated as 09/02/2013, 10/09/2013 and 07/10/2013 and GS issuance review document dated as 10/07/203		
Auditor's assessment comment	Date:	30/05/2022
a) FAR-1: Ok Closed (117 sapling purchase receipt dated as 26/04/2013 and photographic evidences for the plantation have been provided. b) FAR-2: Ok Closed (The training records about basic HSE, electrical hazards and fire fighthing and dated as 09/02/2013, 10/09/2013 and 07/10/2013 have been provided). c) Ok Closed (GS issuance review document dated as 10/07/203 has been provided and there is one FAR in there as in above).		

LGAI Technological Center, S.A.
Campus UAB – Ronda de la Font del Carme, s/n
08193 Bellaterra – Barcelona
(Spain)
Tel.:+34 93 567 20 08
Fax.:+34 93 567 20 01
www.appluscertification.com

Appendix 2: ValidationTeam CVs

Name	SHORT CV. BACKGROUND INFORMATION
Mr. Anıl Söyler	Mr. Anil Söyler has done Bsc. in Environmental Engineering. He has completed his Bachelor degree in Middle East Technical University, Turkey. He has more than 15 years of professional experience in environmental management, monitoring and auditing, waste and waste water management, environmental and social impact assessment, GHG emission report and projects' validation and verification, environmental reports, team and client relationship management and quality management systems and has been involved in the validation/verification services of more than 100 GHG emission reduction projects in total. He has also been involved in both national and international projects supported by IFC, World Bank and EBRD. Mr. Anil Söyler is based in Ankara, Turkey.
Mr. David Lubanga	Mr. David Lubanga is a trained engineer with over 10 years' experience as a GHG auditor. His experience in the field includes assessment of renewable energy projects, energy efficiency, energy audits and waste management and waste to energy. He is a certified auditor for ISO 50001 and 14064-2. He has successfully audited more than 300 GHG (CDM/VCS/GS) projects in different countries around the world. David holds a BSc. in Biochemical Engineering from Jacobs University Bremen (Germany), and a MSc in Environmental Resource Management from Brandenburg Technical University Cottbus (Germany), and Sheffield Hallam University (England). He has undergone additional professional training in Renewable energies, Renewable Energy and Finance, Energy Efficiency and waste management in Scotland, Germany and Austria. Mr. David Lubanga is based in Nairobi, Kenya.