

المجلس العالمي للبصمة الكربونية
GLOBAL CARBON COUNCIL



Project Verification Report

V3.1 - 2020

CONTENTS

COVER PAGE	5
1.PROJECT VERIFICATION REPORT	10
SECTION A. EXECUTIVE SUMMARY	10
SECTION B. PROJECT VERIFICATION TEAM, TECHNICAL REVIEWER AND APPROVER	12
B.1. PROJECT VERIFICATION TEAM	12
B.2. TECHNICAL REVIEWER AND APPROVER OF THE PROJECT VERIFICATION REPORT	13
SECTION C. MEANS OF PROJECT VERIFICATION	13
C.1. DESK/DOCUMENT REVIEW	13
C.2. ON-SITE INSPECTION	13
C.3. INTERVIEWS	14
C.4. SAMPLING APPROACH	15
C.5. CLARIFICATION REQUEST (CLS), CORRECTIVE ACTION REQUEST (CARS) AND FORWARD ACTION REQUEST (FARS) RAISED	15
SECTION D. PROJECT VERIFICATION FINDINGS	16
D.1. IDENTIFICATION AND ELIGIBILITY OF PROJECT TYPE	16
D.2. GENERAL DESCRIPTION OF PROJECT ACTIVITY	17
D.3. APPLICATION AND SELECTION OF METHODOLOGIES AND STANDARDIZED BASELINES	19
D.3.1 APPLICATION OF METHODOLOGY AND STANDARDIZED BASELINES	19
D.3.2 CLARIFICATION ON APPLICABILITY OF METHODOLOGY, TOOL AND/OR STANDARDIZED BASELINE	28
D.3.3 PROJECT BOUNDARY, SOURCES AND GHGS	28
D.3.4 BASELINE SCENARIO	29
D.3.5 DEMONSTRATION OF ADDITIONALITY	30
D.3.6 ESTIMATION OF EMISSION REDUCTIONS OR NET ANTHROPOGENIC REMOVAL	31
D.3.7 MONITORING PLAN	33
D.4. START DATE, CREDITING PERIOD AND DURATION	35

D.5. ENVIRONMENTAL IMPACTS	36
D.6. LOCAL STAKEHOLDER CONSULTATION	36
D.7. APPROVAL AND AUTHORIZATION- HOST COUNTRY CLEARANCE	36
D.8. PROJECT OWNER- IDENTIFICATION AND COMMUNICATION	36
D.9. GLOBAL STAKEHOLDER CONSULTATION	37
D.10. ENVIRONMENTAL SAFEGUARDS (E+)	38
D.11. SOCIAL SAFEGUARDS (S+)	39
D.12. SUSTAINABLE DEVELOPMENT GOALS (SDG+)	40
D.13. AUTHORIZATION ON DOUBLE COUNTING FROM HOST COUNTRY (FOR CORSIA)	40
D.14. CORSIA ELIGIBILITY (C+)	40
SECTION E. INTERNAL QUALITY CONTROL	41
SECTION F. PROJECT VERIFICATION OPINION	41
Appendix 1. Abbreviations	43
Appendix 2. Competence of team members and technical reviewers	44
Appendix 3. Document reviewed or referenced	47
Appendix 4. Clarification request, corrective action request and forward action request	52

COVER PAGE	
Project Verification Report Form (PVR)	
BASIC INFORMATION	
Name of approved GCC Project Verifier / Reference No. (also provide weblink of approved GCC Certificate)	Carbon Check (India) Private Limited. /GCCV004/01 http://globalcarboncouncil.com/wp-content/uploads/2021/10/carbon-check-india-private-limited-ccipl.pdf
Type of Accreditation	<input type="checkbox"/> Individual Track ¹ <input checked="" type="checkbox"/> CDM Accreditation 12/01/2021 to 12/01/2023 <input checked="" type="checkbox"/> ISO 14065 Accreditation UNFCCC (15/04/2019 to 01/06/2024) https://cdm.unfccc.int/DOE/list/DOE.html?entityCode=E-0052
Approved GCC Scopes and GHG Sectoral scopes for Project Verification	GCC Scope <ul style="list-style-type: none"> • Green House Gas (GHG# - ACC) • Environmental No-harm (E+) • Social No-harm (S+) • Sustainable Development Goals (SDG+) GHG Sectoral Scope <ol style="list-style-type: none"> 1. Energy (renewable/non-renewable sources) (CDM TA 1.2)
Validity of GCC approval of Verifier	08/03/2023 to 31/05/2023
Title, completion date, and Version number of the PSF to which this report applies	MASFEN-3 Solar Bundle Version 07, dated 09/10/2023
Title of the project activity	MASFEN-3 Solar Bundle
Project submission reference no. (as provided by GCC Program during GSC)	S00137


¹ **Note:** GCC Verifier under Individual tack is not eligible to conduct verifications for the GCC project that intends to supply carbon credits (ACCs) for CORSIA requirements.

<p>Eligible GCC Project Type² as per the Project Standard (Tick applicable project type)</p>	<p><input checked="" type="checkbox"/> Type A: <input type="checkbox"/> Type A1 <input checked="" type="checkbox"/> Type A2 Sub-Type 1 (Operations Start Date after 1 Jan 2016 but before 5 July 2022).</p> <p><input type="checkbox"/> Type B – De-registered CDM Projects: <input type="checkbox"/> Type B1 <input type="checkbox"/> Type³ B2</p>																	
<p>Date of completion of Local stakeholder consultation</p>	<p>01st February, 2022 to 1st April, 2022</p>																	
<p>Date of completion and period of Global stakeholder consultation. Have the GSC comments been verified. Provide web-link.</p>	<p>24/03/2022 to 07/04/2022 No comments were received https://www.globalcarboncouncil.com/global-stakeholders-consultation/</p>																	
<p>Name of Entity requesting verification service (can be Project Owners themselves or any Entity having authorization of Project Owners)</p>	<p>MASFEN İNŞAAT ENERJİ SAN. VE TIC. A.Ş.</p>																	
<p>Contact details of the representative of the Entity, requesting verification service (Focal Point assigned for all communications)</p>	<p>Recep ÇİLDARUL recepchildarul@masfen.com.tr MASFEN İNŞAAT ENERJİ SAN. VE TIC. A.Ş.</p>																	
<p>Country where project is located</p>	<p>Türkiye</p>																	
<p>GPS coordinates of the Project site(s)</p>	<table border="1" data-bbox="687 1543 1452 1702"> <thead> <tr> <th>Gitaş-1</th> <th>Latitude</th> <th>Longitude</th> </tr> </thead> <tbody> <tr> <td></td> <td>N 37° 43' 58"</td> <td>E 33° 33' 26"</td> </tr> <tr> <td></td> <td>37.7330</td> <td>33.5574</td> </tr> <tr> <td>Metges Burdur</td> <td>37.6799</td> <td>30.2532</td> </tr> <tr> <td></td> <td>N 37° 40' 47"</td> <td>E 30° 15' 11"</td> </tr> </tbody> </table>			Gitaş-1	Latitude	Longitude		N 37° 43' 58"	E 33° 33' 26"		37.7330	33.5574	Metges Burdur	37.6799	30.2532		N 37° 40' 47"	E 30° 15' 11"
Gitaş-1	Latitude	Longitude																
	N 37° 43' 58"	E 33° 33' 26"																
	37.7330	33.5574																
Metges Burdur	37.6799	30.2532																
	N 37° 40' 47"	E 30° 15' 11"																
<p>Applied methodologies (approved methodologies of GCC or CDM can be used)</p>	<p>AMS-I.D. "Grid connected renewable electricity generation", version 18 from CDM.</p>																	

² Project Types defined in Project Standard and Program Definitions on GCC website.

³ GCC Project Verifier shall conduct Project Verification for all project types except B₂.

<p>GHG Sectoral scopes linked to the applied methodologies</p>	<p>Scope 1 - energy industries (renewable / non-renewable sources)</p>
<p>Project Verification Criteria: Mandatory requirements to be assessed</p>	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> ISO 14064-2, ISO 14064-3 <input checked="" type="checkbox"/> GCC Rules and Requirements <input checked="" type="checkbox"/> Applicable Approved Methodology <input checked="" type="checkbox"/> Applicable Legal requirements /rules of host country <input checked="" type="checkbox"/> National Sustainable Development Criteria (if any) <input checked="" type="checkbox"/> Eligibility of the Project Type <input checked="" type="checkbox"/> Start date of the Project activity <input checked="" type="checkbox"/> Meet applicability conditions in the applied methodology <input checked="" type="checkbox"/> Credible Baseline <input checked="" type="checkbox"/> Additionality <input checked="" type="checkbox"/> Emission Reduction calculations <input checked="" type="checkbox"/> Monitoring Plan <input checked="" type="checkbox"/> No GHG Double Counting <input checked="" type="checkbox"/> Local Stakeholder Consultation Process <input checked="" type="checkbox"/> Global Stakeholder Consultation Process <input checked="" type="checkbox"/> United Nations Sustainable Development Goals (Goal No 13- Climate Change) <input type="checkbox"/> Others (please mention below)
<p>Project Verification Criteria: Optional requirements to be assessed</p>	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> Environmental Safeguards Standard and do-no-harm criteria <input checked="" type="checkbox"/> Social Safeguards Standard do-no-harm criteria <input checked="" type="checkbox"/> United Nations Sustainable Development Goals (in additional to SDG 13) <input checked="" type="checkbox"/> CORSIA requirements
<p>Project Verifier's Confirmation: The <i>GCC Project Verifier</i> has verified the GCC project activity and therefore confirms the following:</p>	<p>The GCC Project Verifier Carbon Check (India) Private Limited, certifies the following with respect to the GCC Project Activity "MASFEN-3 Solar Bundle".</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> The Project Owner has correctly described the Project Activity in the Project Submission Form (Version 07, dated 09/10/2023) including the applicability of the approved methodology [<i>CDM methodology, AMS-I.D. Version 18</i>] and meets the methodology applicability conditions and is expected to achieve the forecasted real, measurable, and additional GHG emission reductions, complies with the monitoring methodology, has appropriately conducted local and global stakeholder consultation processes and has calculated emission reductions estimates correctly and conservatively. <input checked="" type="checkbox"/> The Project Activity is likely to generate GHG emission reductions amounting to the estimated 18,166 tCO_{2e} annually, as

	<p>indicated in the PSF, which are additional to the reductions that are likely to occur in absence of the Project Activity and complies with all applicable GCC rules, including ISO 14064-2 and ISO 14064-3.</p> <p><input checked="" type="checkbox"/> The Project Activity is not likely to cause any net-harm to the environment and/or society and complies with the Environmental and Social Safeguards Standard, and is likely to achieve the following labels:</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Environmental No-net-harm Label (E+) <input checked="" type="checkbox"/> Social No-net-harm Label (S+) <p><input checked="" type="checkbox"/> The Project Activity is likely to contribute to the achievement of United Nations Sustainable Development Goals (SDGs), complies with the Project Sustainability Standard, and contributes to achieving a total of [3] SDGs, with the following⁴ SDG certification label (SDG+):</p> <ul style="list-style-type: none"> <input type="checkbox"/> Bronze SDG Label <input checked="" type="checkbox"/> Silver SDG Label <input type="checkbox"/> Gold SDG Label <input type="checkbox"/> Platinum SDG Label <input type="checkbox"/> Diamond SDG Label <p><input checked="" type="checkbox"/> The Project Activity complies with all the applicable requirement of the GCC Program and ICAO’s requirements on CORSIA Emissions Unit Eligibility Criteria and CORSIA Eligible Emissions Units, as per Clarification No 1., v1.3 paragraph 22-25, and the ACCs expected to be issued during the crediting period is likely to be CORSIA eligible and can be used by International Airlines for offsetting their emissions during all phases of CORSIA and therefore requests GCC Steering Committee to append CORSIA Certification label (C+) to this project.</p> <p><input checked="" type="checkbox"/> The Project Activity complies with all the applicable GCC rules⁵ and therefore recommends GCC Program to register the Project activity with above mentioned labels.</p>
<p>Project Verification Report, reference number and date of approval</p>	<p>Reference number: CCIPL1224/GCC/VAL/ M3SB /20220305</p> <p>Version - 07,</p> <p>Date of Approval: 10/11/2023</p>
<p>Name of the authorised personnel of GCC Project Verifier and his/her signature with date</p>	<p>Vikash Kumar Singh, Compliance Officer</p> 

⁴ SDG Certification labels: Bronze label (1 star): by achieving 2 out of 17 SDGs; Silver label (2 star): by achieving 3 out of 17 SDGs; Gold label (3 star): by achieving 4 out of 17 SDGs; Platinum label (4 star): by achieving 5 out of 17 SDGs; and Diamond label (5 star): by achieving more than 5 out of 17 SDGs.

⁵ “GCC Rules” are defined in Project Definitions and refers to the rules and requirements set out by the GCC program related to GHG emission reductions and its voluntary certification labels and are available on the GCC Program’s public website: <https://www.globalcarboncouncil.com/resource-centre.html>

Project Verification Report

	10/11/2023
--	------------

1. PROJECT VERIFICATION REPORT

Executive summary

MASFEN İNŞAAT ENERJİ SAN. VE TİC. A.Ş. has appointed the DOE, Carbon Check (India) Private Ltd., to perform an independent project verification of the Project “MASFEN-3 Solar Bundle” in Türkiye (hereafter referred to as “project activity”). This report summarizes the findings of verification of the project, performed on the basis of GCC rules and requirements as well as criteria given to provide for consistent project operations, monitoring and reporting. This report contains the findings and resolutions from the project verification and a verification opinion. Masfen İnşaat Enerji San. Ve Tic. A.Ş (project owner) being the parent company of the AAB Enerji Üretim Tarımsal Ürünler Gıda İnşaat Sanayi and Ticaret A.Ş. And Metges Enerji Elektrik Üretim A.Ş, who is the legal owners of the bundle GCC project “MASFEN-3 Solar Bundle” in Karapınar district in Konya Province and Merkez district, in Burdur province, Türkiye.

The Project activity will generate emission reductions by generating clean electricity from the solar energy and feed the generated electricity to the Türkiye national grid; which is mainly dominated by thermal/fossil fuel-based power plant. The average annual electricity supplied to grid will be of 28,000 MWh and the translate into emission reductions of around 18,166 tCO₂eq per year.

The project also contributes to Environmental No-net-harm Label (E+), Social No-net-harm Label (S+), CORSIA requirements (C+) and 3 United Nations Sustainable Development Goals (SDG+) i.e., SDG 7,8,and 13.

“The Project Activity complies with all the applicable requirement of the GCC Program and ICAO’s requirements on CORSIA Emissions Unit Eligibility Criteria and CORSIA Eligible Emissions Units, as per Clarification No 1., v1.3 paragraph 22-25, and the ACCs expected to be issued during the crediting period is likely to be CORSIA eligible and can be used by International Airlines for offsetting their emissions during all phases of CORSIA and therefore requests GCC Steering Committee to append CORSIA Certification label (C+) to this project”.

The purpose of the project verification is to have a thorough and independent assessment of the proposed Project Activity against the applicable GCC rules and requirements, including those specified in the Project Standard, applied methodology/methodological tools and any other requirements, in particular, the project's baseline, monitoring plan and the host Party criteria. These are verified to confirm that the project design, as documented, is sound and reasonable and meets the identified criteria. Verification requirement for all GCC projects activity is necessary to provide assurance to stakeholders of the quality of the Project Activity and its intended generation of Approved Carbon Credits (ACCs).

Location

The Project Activity is implemented in Karapınar district in Konya Province and Merkez district, in Burdur province, Türkiye.

Scope of the Project Verification

The project verification scope is defined as the independent and objective review of the project submission form (PSF /1/). The PSF /1/ is reviewed against the relevant criteria (see above) and decisions by the GCC, including the CDM approved baseline and monitoring methodology /B02/. The verification team has, based on the recommendations in the GCC Project Standard, Version 3.1 /B01-1/ and Project Verification Standard Version 3.1 /B01-2/ employed a rule-based approach, focusing on the identification of significant risks for project implementation and the generation of ACCs.

Project Verification Report

The verification is not meant to provide any consulting towards the project (owner)s. However, stated requests for clarifications and/or corrective actions may have provided input for improvement of the program design.

While carrying out the verification, CCIPL determines if the PSF complies with the requirements of the applicability conditions of the selected methodology /B02/, guidance issued by the GCC and also assess the claims and assumptions made in the PSF /1/ without limitation on the information provided by the project owner.

Verification Process

Strategic risk Analysis and delineation of the Project Verification and sampling plan:

CC IPL employed the following Project Verification process:

1. Conflict of interest review at the time of contract review;
2. Selection of Audit Team at the time of contract review;
3. Kick-off meeting with the client;
4. Review of the draft PSF listed on GCC website for public consultation;
5. Development of the Project Verification plan and sampling plan;
6. Desktop review and evaluation of emission reduction calculations;
7. Follow-up interaction with the client; and final statement and report development.

The Project Verification process has utilized to gain an understanding of the:

- Project's design, GHG emission sources and reductions,
- Baseline determination and additionality,
- GHG monitoring plan,
- Environmental & Social impacts,
- Stakeholder's consultation,
- SD indicators integrated with the project and
- Verify the collection and handling of data, the calculations that lead to the results, and the means for reporting the associated data and results.

Development of the Project Verification Plan:

The Audit Team formally documented its Project Verification plan as well as determine the data-sampling plan. The Project Verification plan was developed based on discussion of key elements of the Project Verification process during the kick-off meeting and as per the criteria of engagement. Client had the opportunity to comment on key elements of this plan for Project Verification . Based on items discussed above and agreed upon with the client in the signed contract, the plan identified the CCIPL audit team members based on following:

- Project level of assurance (which is reasonable as per GCC requirements),
- Materiality threshold and
- Standards of evaluation and reporting for the Project Verification.

It also provides an outline of the Project Verification process and established project deliverables. This Project Verification plan also included a sampling plan, which is designed to evaluate all project elements in areas of high risk of inaccuracy or non-conformance.

The project verification consists of the following four phases:

I. A desk review of the project submission form.

- A review of the data and information;

Project Verification Report

- Cross checks between information provided in the PSF /01//02/ and information from sources with all necessary means without limitations to the information provided by the project owner;

II. Follow-up interviews with project stakeholders

- Interviews with relevant stakeholders in host country with personnel having knowledge with the project development;
- Cross checking between information provided by interviewed personnel with all necessary means without limitations to the information provided by the project owner;

III. Reference to available information relating to projects or technologies similar projects under verification and review based on the approved methodology /B02/ being applied of the appropriateness of formulae and accuracy of calculations.

IV. The resolution of outstanding issues and the issuance of the final verification report and opinion.

The Verification team confirms the contractual relationship signed between the DOE (CC IPL) and the PO. The team assigned to the Project Verification meets the CC IPL's internal procedures including the GCC requirements for the team composition and competence. The Project Verification team has conducted a thorough contract review as per GCC and CC IPL's procedures and requirements.

The report is based on the assessment of the PSF /1/ undertaken through stakeholder consultations, application of standard auditing techniques including but not limited to document reviews and stakeholder interviews, review of the applicable/applied methodology /B02/ and their underlying formulae and calculations.

This report contains the findings (which need to be resolved by the PO) from the verification and a verification opinion on the proposed Project Activity will be provided once all the raised findings are successfully resolved by the PO to confirm the program design in the documents is sound and reasonable and meets the stated requirements and identified criteria.

Conclusion

The review of the PSF, supporting documentation and subsequent follow-up actions (remote site audit and interviews) have provided CC IPL with sufficient evidence to determine the fulfilment of stated criteria. CC IPL is of the opinion that the project activity "MASFEN-3 Solar Bundle" in Türkiye as described in the final PSF (Version 05, dated 16/01/2023) /1/ meets all relevant requirements of GCC and has correctly applied the CDM baseline and monitoring methodology 'AMS-I.D. - Grid connected renewable electricity generation, Version 18' /B02/. The review of the PSF, supporting documentation and subsequent follow-up actions (onsite audit and interviews) have provided CC IPL with sufficient evidence to determine the fulfilment of the voluntary labels E+, S+ /B01-4/ and SDG+ with silver rating /B01-5/. Therefore, the project is being recommended to GCC Steering Committee for request for registration.

"The Project Activity complies with all the applicable requirement of the GCC Program and ICAO's requirements on CORSIA Emissions Unit Eligibility Criteria and CORSIA Eligible Emissions Units, as per Clarification No 1., v1.3 paragraph 22-25, and the ACCs expected to be issued during the crediting period is likely to be CORSIA eligible and can be used by International Airlines for offsetting their emissions during all phases of CORSIA and therefore requests GCC Steering Committee to append CORSIA Certification label (C+) to this project". Therefore, the project is being recommended to GCC Steering Committee for request for registration.

Project Verification team, technical reviewer and approver

Project Verification team

No.	Role	➦ ➤	Last name	First name	Affiliation	Involvement in
-----	------	-----	-----------	------------	-------------	----------------

					(e.g. name of central or other office of GCC Project Verifier or outsourced entity)	Desk/document review	Remote inspection	Interviews	Project Verification findings
1.	Team Leader/ Technical Expert	IR	Mathew	Vijay	CC IPL	Y	N	Y	Y
2.	Technical Expert/ Local Expert	ER	Erduran	Muhammet Ali	CC IPL	Y	Y	Y	N

Technical reviewer and approver of the Project Verification report

No.	Role	Type of resource	Last name	First name	Affiliation (e.g. name of central or other office of GCC Project Verifier or outsourced entity)
1.	Technical reviewer	ER	Chakraborty	Shivaji	CC IPL
2.	Approver	IR	Singh	Vikash Kumar	CC IPL

Means of Project Verification

Desk/document review

>>

The verification was performed primarily as a document review of the initial PSF/01/ and revised/ final PSF/01/. The verification of information provided in the PSF was performed using the source of information provided by the project owner. Additionally, the cross checks were performed for information provided in the PSF using information from sources other than the verification sources, the verification team's sectoral or local expertise and, if necessary, independent background investigations.

List of all documents reviewed or referenced during the verification is provided in Appendix-3.

On-site inspection

Duration of on-site inspection: DD/MM/YYYY to DD/MM/YYYY				
No.	Activity performed on-site	Site location	Date	Team member

In accordance with Verification standard /B01-2/ – paragraph 29, a site visit is not mandatory for the verification, as the estimated annual average of ERs is below 100,000 tCO₂e and there is no pre-project information that is relevant to the requirements for registration of the project activity and may not be traceable after the registration since the project has been operational since October 2021 as per the generation license /5/ /6/ /7/.

Nevertheless, the team leader adopted alternative means in order to assure that all features are in accordance with PSF and undertook independent checks. The technical expert received all necessary information as documentary evidence to show the facilities and equipment viz. technical specification, provisional acceptance/5/, system use agreement /6/ /7/, connection agreement /8/ /9/ and team leader's notes necessary to have a clear and precise understanding of the project activity, which has been considered sufficient for the purpose of the present verification.

Therefore, for reasons provided above, and in line with verification standard, the verification team conducted the verification for this project using alternative means as defined in the verification standard /B01-2/. The verification team applied standard auditing techniques while verifying the project details, as discussed Below:

Alternative means applied:

- Following alternative means have been used to verify the project details:
- Cross checks between information provided in the PSF and information from third-party or publicly available sources other than those used; if necessary, independent background investigations;
- Telephone, video interviews with relevant stakeholders in the host country, such as personnel with knowledge of the Project design and implementation;
- Cross checks between the information provided by interviewed personnel (i.e., by checking sources or other interviews) to ensure that no relevant information has been omitted;
- Reference to available information relating project verification techniques to assess project technologies similar to the proposed Project under project verification;
- Review, based on the selected methodologies, the selected standardized baselines, and other applied methodological regulatory documents, of the appropriateness of formulae and accuracy of calculations.

Interviews

Project Verification Report

N o.	Interview			Date	Subject	Team member
	Last name	First name	Affiliation			
1.		Recep	Administrative Manager	29/04/2022	Project Description, Baseline identification, Project Boundary. Project financing, Additionality, Baseline Calculation, Regulatory requirements, project status, Monitoring procedures & Calibration of meters, Operation and Maintenance, Data recording, Emergency procedures, etc. Mode of Invitation for stakeholders meeting, Stakeholders meeting consultation, advantages and disadvantages of the project, employment generation, SDG status, Environment and social net harm, etc. Invitation for stakeholders meeting, Stakeholders meeting consultation, advantages and disadvantages of the project, employment generation, SDG status, Environment and social net harm, Do-no-harm analysis, legal ownership of the project, double counting declaration etc.	Vijay Mathew and Muhammet Ali Erduran
2.	Murat	Yıldız	Administrative Responsible	29/04/2022		
3.		Kübra	Administrative staff	29/04/2022		
4.	Karagöz	Mustafa	Farmar – Kurtbasan	29/04/2022	Sustainability Aspects of the Project activity	Vijay Mathew and Muhammet Ali Erduran
5.		Osman	Farmar – Buğduz village	29/04/2022	<ul style="list-style-type: none"> • Environmental and Social Impacts of the Project activity • Do no harm risk • LSC Meeting 	

Sampling approach

>>

No sampling approach is used for this project verification process.

Clarification request (CLs), corrective action request (CARs) and forward action request (FARs) raised

Areas of Project Verification findings	Applicable to Project Types	No. of CL	No. of CAR	No. of FAR
Green House Gas (GHG)				
Identification and Eligibility of project type	A ₁ , A ₂ , B ₁ , B ₂			
General description of project activity	A ₁ , A ₂ , B ₁ , B ₂	CL08 CL09	CAR01 CAR02 CAR19	
Application and selection of methodologies and standardized baselines	A ₁ , A ₂ , B ₁ , B ₂			

Project Verification Report

- Application of methodologies and standardized baselines	A ₁ , A ₂ , B ₁ , B ₂		CAR05	
- Deviation from methodology and/or methodological tool	A ₁ , A ₂ , B ₁ , B ₂			
- Clarification on applicability of methodology, tool and/or standardized baseline	A ₁ , A ₂ , B ₁ , B ₂			
- Project boundary, sources and GHGs	A ₁ , A ₂ , B ₁ , B ₂		CAR06	
- Baseline scenario	A ₁ , A ₂ , B ₁ , B ₂			
- Demonstration of additionality including the Legal Requirements test	A ₁ , A ₂ , B ₁ , B ₂			
- Estimation of emission reductions or net anthropogenic removals	A ₁ , A ₂ , B ₁ , B ₂	CL01	CAR07 CAR15	
- Monitoring plan	A ₁ , A ₂ , B ₁ , B ₂	CL02	CAR08 CAR09 CAR10	
Start date, crediting period and duration	A ₁ , A ₂ , B ₁ , B ₂		CAR16	
Environmental impacts	A ₁ , A ₂ , B ₁ , B ₂	CL03	CAR11	
Local stakeholder consultation	A ₁ , A ₂ , B ₁	CL06 CL07		
Approval & Authorization- Host Country Clearance	A ₁ , A ₂ , B ₁ , B ₂			FAR 01
Project Owner- Identification and communication	A ₁ , A ₂ , B ₁ , B ₂		CAR17	
Global stakeholder consultation	A ₁ , A ₂ , B ₁			
Others (please specify)	A ₁ , A ₂ , B ₁ , B ₂			
VOLUNTARY CERTIFICATION LABELS				
Environmental Safeguards (E ⁺)	A ₁ , A ₂ , B ₁	CL05	CAR12	
Social Safeguards (S ⁺)	A ₁ , A ₂ , B ₁	CL04	CAR13 CAR18	
Sustainable development Goals (SDG ⁺)	A ₁ , A ₂ , B ₁		CAR14	
Authorization on Double Counting from Host Country (only for CORSIA)	A ₁ , A ₂ , B ₁		CAR03	FAR 01
CORSIA Eligibility (C ⁺)			CAR04	
Total		9	19	1

Project Verification findings

Identification and eligibility of project type

Means of Project Verification	Desk Review and Interviews
Findings	No finding in this section.
Conclusion	The Project Verification team reviewed the PSF /1/ and confirms that the Project Owner determines the type of proposed GCC project activity as Type A2 and Sub-Type 1 (Operations Start Date after 1 Jan 2016 but before 5 July 2022 and not submitted to any program (GHG/non GHG) As per §11 of GCC Project Standard (version 03.1), “These types of projects are prompt-start and had already started their operations as of 5 July 2020. Their start date of operations shall be after 1 January 2016 but before 5 July 2022. These types of projects shall submit complete registration requests to the GCC Program no later than 5 July 2022. The start date of the Crediting Period for such GCC Project Activities shall be on or after 1 Jan 2016 but not more than one year after the start date of the operations of the GCC Project Activity”. Further, as per §03 (c), (iv) of GCC clarification no.01 “The deadline for

	<p>submission of A2 projects has been extended. As per clarification, A2 type projects are required to make initial submission to GCC program, for uploading for global stakeholder consultation, prior to 5 July 2022". The proposed project activity has started its operations on 27/10/2021 /5/, its start date of crediting period is 27/10/2021 and its global stakeholder consultation request was from 24/03/2022 to 07/04/2022. This complies with the requirement of §11 of the GCC Project Standard (version 03.1) /B01-1/ and GCC clarification no.01 /B01-1/ and § 25 (b) of GCC Project Verification Standard (version 03.1) /B01-2/. The project is not submitted to any other GHG program. The same is confirmed by the GCC project verification team, the details are provided in the following section D.2. Project owner has demonstrated that the project activity is not a debundled component of a larger project activity in the section B.5 of the PSF using CDM tool 20. Project verification team has checked the same and found acceptable. The details of the same are provided in the following section D.2. The total capacity of project activity is 14 MW, the same is confirmed from the provisional acceptance reports /5/, connection agreement /7/, generation license /45/ and system use agreement /6/. Since the project capacity is less than 15 MW, the project verifier thereby confirms that the project activity falls under small scale threshold.</p> <p>GCC project Verifier confirm through document review, interview with project owner and review of documents viz. generation license /45/, connection agreement /7/, provisional acceptance /5/, system use agreement /6/ that only the project owner will have the claim with respect to green attributes/carbon offset. The electricity buyer doesn't have the legal ownership of the green attributes/carbon credits and there will not be any claim with respect to green attributes/carbon offset by electricity buyer under any scheme or program.</p>
--	---

General description of project activity

Means of Project Verification	Desk Review and Interviews
Findings	CL 08, CL 09, CAR 01 CAR 02 and CAR 19 were raised and findings are closed. Please refer to Appendix 4 for further details.
Conclusion	<p>The description of the project activity contained in the PSF /1/ can be considered transparent, detailed and provides a clear overview of the project subject to revision in the PSF against the raised findings (please refer to Appendix 4 for further details of the findings). Its content was confirmed by means of document review and interviews /16/ /5/ /6/ /7/ /8/ /9/ /10/ 11/ /15/ to verify the accuracy and completeness of the project description.</p> <p>The Project Verification team reviewed the PSF /1/ and confirms that the Project Owner determines the type of proposed GCC project activity as Type A2 and Sub-Type 1 (Operations Start Date after 1 Jan 2016 but before 5 July 2022). MASFEN-3 Solar Bundle in the Karapınar district in Konya Province and Merkez district, in Burdur province in Türkiye. The project activity is a bundled project activity /16/ /5/ /6/ /7/ /8/ /9/ /10/ 11/. The purpose of the project activity is to generate the electricity using solar photovoltaic technology. The total installed capacity of the project is 14 MWe, and the electricity generated is supplied to the Türkiye national grid. The project verification team has confirmed the same by cross verifying the EIA approval /10/ /11/, provisional acceptance/5/, system use agreement /6/ /7/, connection agreement /8/ /9/. The Annual generation is estimated as 28,000 MWh. The same is confirmed from the generation licenses issued; for Gitaş-1 the estimated approved generation is 16,000 MWh and for Metges Burdur the estimated approved generation is approximately 12,000 MWh /45/. Since, the solar energy is clean energy, the project activity does not involve any fossil fuel firing and hence no greenhouse gases are involved in the project activity. The power generation from the project activity</p>

replaces the equal amount of power which otherwise would have been supplied from the fossil fuel dominated grid. Thus, project activity helps in an average annual emission reduction of 18,166 tCO₂e/year for a period of 10 years.

The project site is in Karapınar district in Konya Province and Merkez district, in Burdur province in Türkiye. The geographic co-ordinates for the project activity are as follows;

Gitaş-1	Latitude	Longitude
	N 37° 43' 58"	E 33° 33' 26"
	37.7330	33.5574
Metges Burdur	37.6799	30.2532
	N 37° 40' 47"	E 30° 15' 11"

The location of the project activity has been cross verified by the verification team with the use of remote sensing software (Google earth) and confirm that the location given by the Project Owner is appropriate. Project owner has demonstrated that the project activity is not a debundled component of a larger project activity in the section B.5 of the PSF using CDM tool 20. Project verification team has checked the project area within 1 km of the project boundary of the proposed small- scale activity at the closest point using google earth. There are no other solar power plants found operational within 1 km of the project boundary. However, project verification team has checked the publicly available sources to confirm that there are no other registered small-scale or an application to register another small-scale project activity under carbon credit/REC mechanisms viz. CDM, VERRA-VCS, Gold standard, iREC /21/, /22/, /23/, /24/ by any of the legal owners AAB ENERJİ ÜRETİM TARIMSAL ÜRÜNLER GIDA İNŞAAT SANAYİ TİCARET A.Ş., METGES ENERJİ ELEKTRİK ÜRETİM A.Ş. For the mentioned power plants in PSF. Project verification team has checked the database of carbon credit/REC mechanisms viz. CDM, VERRA-VCS, Gold standard, iREC /41/, /42/, /43/, /44/ and found the justification provided in the section B.5. of the PSF is acceptable.

The project activity is the green field activity, which involves installation of new solar PV modules at the project facility. As confirmed from the EIA approval /10/ /11/, provisional acceptance/5/, system use agreement /6/ /7/, connection agreement /8/ /9/ and discussion with the PO, there was no renewable energy operating prior to the implementation of the project activity.

The baseline scenario is the electricity delivered to the grid by the project activity, which would have otherwise been generated by the operation of grid-connected power plants and by the addition of new generation sources into the grid. The same complies with the applied methodology /B-02/.

The technology used for the project is as follows;

	Brand	Model
Gitaş-1	Alfa Solar	A3S72M-400
Metges Burdur	CW Enerji	CWT455-144HCMBPM

The solar modules are further connected to the inverters. Inverters converts the DC energy produced by array to AC voltage and synchronize with the grid through LT/HT panels. Team has verified the technical specification of the solar modules during the remote site visit/15/. The expected life of the project activity is 25 years. The project is expected to generate and feed to the connected national electricity grid of Türkiye, GHG free electricity with GHG emission reduction of 181,660 tCO₂e over 10-year period of

	<p>project activity with an average of 18,166 tCO₂e GHG emission reduction per year.</p> <p>As stated in the PSF/01/, the project activity also voluntarily contributes to Environmental No-net-harm Label (E+), Social No-net-harm Label (S+) and 3 United Nations Sustainable Development Goals (SDG+).</p> <p>The project owner has described the GHG emission-reduction activity, including schematics, specifications and a description of how the project reduces GHG emissions. This is as per §36 of Project Standard Version 03.1 and cross checked with PSF /1/.</p> <p>The Project Activity is a voluntary action by the project owner as confirmed by the verification team upon review of the PSF /1/, document review, legal and regulatory requirements check, and remote interviews.</p> <p>Legal ownership of the green attributes/carbon credits lies with project owner only and there will not be any claim with respect to green attributes/carbon offset will be claimed by electricity buyer under any scheme or program. The same is confirmed from the declaration document from the PO's letter head/13/.</p> <p>As per the PSF /01/, start date of the Project Activity is 27/10/2021 (Start date of operation of the earliest date of commissioned Project). The same is in accordance with requirements of §38 of Project Standard (version 03.1) /B01-1/.</p> <p>Crediting period is a fixed crediting period for the Project Activity, from 27/10/2021 to 26/10/2031 i.e., of 10 years. This is cross checked with PSF /01/ and confirms the requirement of §39 and §40 of Project Standard Version 03.1 /B01-1/.</p> <p>Plant load factor (PLF) is calculated as follows:</p> <p><i>PLF = Total Annual Electricity Generation/(Total Installed Power × Operating Time of the Power Plant in a Year).</i></p> <p>PLF for Gitaş-1 is 30.08% and PLF for Metges Burdur is 30.03%. The same is confirmed from the PLF calculation.</p> <p>CC IPL confirm that the description of the proposed Project Activity in the PSF is accurate and complete and it provides an understanding of the Project Activity.</p>
--	---

Application and selection of methodologies and standardized baselines

Application of methodology and standardized baselines

Means of Project Verification	Desk review and Interviews
Findings	CAR 05 was raised and finding is closed. Please refer to Appendix 4 for further details.
Conclusion	The CDM methodology applied is AMS-I.D., version 18 /B02/. It is applicable to greenfield renewable energy power generation using solar photovoltaic modules. Applicability of the methodology could be confirmed by means of interviews with the PO representatives, remote site visit and document review. The project activity is a 14MW solar power project; which falls under small scale project category (i.e. the capacity is less than 15 MW). The capacity of the project is confirmed from the provisional acceptance /5/, system use agreement /6/ /7/, and connection agreement /8/ /9/ and generation license /45/.

	<p>The applied methodology is correctly quoted and is identical to the version available on the UNFCCC website. The applied version of the baseline and monitoring methodology /B02/ is valid at the time of submission of the PSF for global stakeholder consultation. All applicability criteria in the methodology are assessed in the below table:</p>		
	Applicability criteria of the methodology (AMS-I.D., Version 18.0)	Justification in the PSF	GCC Verifier assessment
	<p>This methodology is applicable to project activities that:</p> <ul style="list-style-type: none"> (a) Install a Greenfield plant; (b) Involve a capacity addition in (an) existing plant(s); (c) Involve a retrofit of (an) existing plant(s); (d) Involve a rehabilitation of (an) existing plant(s)/unit(s); or (e) Involve a replacement of (an) existing plant(s). 	<p>The project activity is a greenfield, grid connected renewable electricity generation project.</p>	<p>The proposed activity is a, Greenfield project, which involves the installation of a new grid- connected renewable power generation facility (i.e. 14 MWe solar power plant). CCPIL project verification team confirmed the same from the, provisional acceptance /5/, system use agreement /6/ /7/, and connection agreement /8/ /9/. Hence the methodology is applicable to the proposed project activity.</p>
	<p>Hydro power plants with reservoirs that satisfy at least one of the following conditions are eligible to apply this methodology:</p> <ul style="list-style-type: none"> (a) The project activity is implemented in an existing reservoir with no change in the volume of reservoir; (b) The project activity is implemented in an existing reservoir, where the volume of reservoir is increased and the power density of the project activity, as per definitions given in the project emissions section, is greater than 4 W/m² (c) The project activity results in new reservoirs and the power density of the power plant, as per definitions given in the project emissions section, is greater than 4 W/m² 	<p>The project activity is the installation of solar power plant. Hence this condition is N/A.</p>	<p>The proposed activity is a, Greenfield project, which involves the installation of a new grid- connected renewable power generation facility (i.e. 14 MW). CCPIL project verification team confirmed the same from provisional acceptance/5/, system use agreement /6/ /7/, and connection agreement /8/ /9/. Hence this condition is not applicable for this project activity.</p>
<p>If the new unit has both renewable and non-renewable components (e.g. a wind/diesel</p>	<p>The project activity is a Greenfield, grid connected renewable</p>	<p>The proposed activity is a Greenfield project, which involves the</p>	

	<p>unit), the eligibility limit of 15 MW for a small-scale CDM project activity applies only to the renewable component. If the new unit co-fires fossil fuel, the capacity of the entire unit shall not exceed the limit of 15 MW.</p>	<p>electricity generation project, and there is no new unit in the project activity.</p>	<p>installation of a new grid-connected renewable power generation facility (i.e. 14 MW). The project activity doesn't involve any installation of new units. CCPIL project verification team confirmed the same from system use agreement /6/ /7/, generation license/45/ and connection agreement /8/ /9/. Hence this condition is not applicable to the proposed project activity.</p>
	<p>Combined heat and power (co-generation) systems are not eligible under this category.</p>	<p>The project does not involve combined heat and power generation activity.</p>	<p>The proposed activity is a Greenfield project, which involves the installation of a new grid-connected bundled renewable solar power generation facility (i.e. 14 MW). The project does not involve combined heat and power generation activity. CCPIL project verification team confirmed the same from provisional acceptance /5/, system use agreement /6/ /7/, and connection agreement /8/ /9/. Hence this condition is not applicable to the proposed project activity.</p>
	<p>In the case of project activities that involve the capacity addition of renewable energy generation units at an existing renewable power generation facility, the added capacity of the units added by the project should be lower than 15 MW and should be physically distinct from the existing units.</p>	<p>The Project is a solar plant with renewable components only and doesn't involve any type of capacity addition of renewable energy generation units at an existing renewable power generation facility. capacity of the project activity is less than 15 MWe. Hence, this condition is N/A.</p>	<p>The proposed activity is a Greenfield project, which involves the installation of a new grid-connected bundled renewable solar power generation facility (i.e. 14 MW). Project activity does not involve any capacity addition of renewable energy generation units. CCPIL project</p>

			<p>verification team confirmed the same from provisional acceptance /5/, system use agreement /6/ /7/, and connection agreement /8/ /9/. Hence this condition is not applicable to the proposed project activity.</p>
	<p>In the case of retrofit, rehabilitation or replacement, to qualify as a small-scale project, the total output of the retrofitted, rehabilitated or replacement power plant/unit shall not exceed the limit of 15 MW.</p>	<p>The project does not involve capacity addition, a retrofit of (an) existing plant(s) or a replacement of (an) existing plant(s).</p>	<p>The proposed activity is a, Greenfield project, which involves the installation of a new grid-connected bundled renewable solar power generation facility (i.e. 14 MW). Project activity project does not involve capacity addition, a retrofit of (an) existing plant(s) or a replacement of (an) existing plant(s). CCPIL project verification team confirmed the same from provisional acceptance /5/, system use agreement /6/ /7/, and connection agreement /8/ /9/. Hence this condition is not applicable to the proposed project activity.</p>
	<p>In the case of landfill gas, waste gas, wastewater treatment and agro-industries projects, recovered methane emissions are eligible under a relevant Type III category. If the recovered methane is used for electricity generation for supply to a grid then the baseline for the electricity component shall be in accordance with procedure prescribed under this methodology. If the recovered methane is used for heat generation or cogeneration other applicable Type-I methodologies such as “AMS-I.C.: Thermal energy production</p>	<p>The project is the installation of solar power plant. Hence, this condition is N/A.</p>	<p>The proposed activity is a, Greenfield project, which involves the installation of a new grid-connected bundled renewable solar power generation facility (i.e. 14 MW). CCPIL project verification team confirmed the same from provisional acceptance /5/, system use agreement /6/ /7/, and connection agreement /8/ /9/. Hence this condition is not applicable to the</p>

	with or without electricity” shall be explored.		proposed project activity.
	In case biomass is sourced from dedicated plantations, the applicability criteria in the tool “Project emissions from cultivation of biomass” shall apply.	The project is the installation of solar power plant. Hence, this condition is N/A.	The proposed activity is a, Greenfield project, which involves the installation of a new grid-connected bundled renewable solar power generation facility (i.e. 14 MW). CCPIL project verification team confirmed the same from provisional acceptance/5/, system use agreement /6/ /7/, and connection agreement /8/ /9/. Hence this condition is not applicable to the proposed project activity.
	Applicability criteria of the tool 7, Version 7.0	Justification in the PSF	GCC verifier assessment
	<p>The tool lists the following applicability criteria:</p> <p>(a) This tool may be applied to estimate the OM, BM and/or CM when calculating baseline emissions for a project activity that substitutes grid electricity that is where a project activity supplies electricity to a grid or a project activity that results in savings of electricity that would have been provided by the grid (e.g. demand-side energy efficiency projects).</p>	<p>The project activity uses the calculated OM, BM and CM values which published by Turkish Ministry of Energy and Natural Resources which is indicating Türkiye’s National Electric Grid Emission Factor for the year of 2020 . Thus, re-estimating the OM, BM and CM values will not be conducted by the project activity. Because publication includes calculated Emission Factor values that are Operating Margin (OM), Growth Based Margin (Build Margin-BM) and Combined Margin (CM) Emission Factors, for the relevant year with usage of the</p>	<p>The project activity involved the construction and operation of 14 MW solar power plant in Türkiye. The electricity thus generated is being sold to Turkish national grid.</p> <p>The verification team on the basis of the review of the applied Methodology /B02/ and the relevant document provided by the project participant (Türkiye National Network Emission Factor Data sheet) confirms that all the value is in compliance with the applied methodology. Thus, the applicability criterion was found to be met.</p>

		UNFCCC's Clean Development Methodology Tool 07-V07.0.	
	Under this tool, the emission factor for the project electricity system can be calculated either for grid power plants only or, as an option, can include off-grid power plants. In the latter case, the conditions specified in "Appendix 2: Procedures related to off-grid power generation" should be met. Namely, the total capacity of off-grid power plants (in MW) should be at least 10 per cent of the total capacity of grid power plants in the electricity system; or the total electricity generation by off-grid power plants (in MWh) should be at least 10 per cent of the total electricity generation by grid power plants in the electricity system; and that factors which negatively affect the reliability and stability of the grid are primarily due to constraints in generation and not to other aspects such as transmission capacity.	CO2 emission factor for the displacement of electricity generated by power plants in an electricity system is determined by calculating the "combined margin" emission factor (CM) of the electricity grid considering only-grid-connected plants.	PO has calculated the emission factor of the CO ₂ by calculating the "combined margin" emission factor (CM) of the electricity grid considering only-grid-connected plants. This is accepted by the project verification team.
	(c) In case of CDM projects the tool is not applicable if the project electricity system is located partially or totally in an Annex I country.	This project is a GCC project, not a CDM project. Hence, this condition is N/A.	Tukey was Annex1 country under Kyoto Protocol and it later withdrawn itself from Kyoto Protocol, GCC accepts worldwide projects and hence this applicability condition is not applicable.
	(d) Under this tool, the value applied to the CO2 emission factor of biofuels is zero.	The project does not involve biofuels in any way	The project activity does not involve any use biofuels and CO ₂ emission factor of biofuels is zero.
	Applicability criteria of the tool 32, Version 3.0	Justification in the PSF	GCC Verifier assessment
The use of this methodological tool is not mandatory for the project participants of a CDM project activity or CDM PoA for demonstrating their additionality	The project applies a small-scale methodology, AMS-I.D v18, that refers Tool 21 : "Demonstration of additionality of smallscale project	The project activity involved the construction and operation of a 14 MW solar power plant in Türkiye. The project activity refers Tool 21: "Demonstration of	

		<p>activities”, version 13.1, which refers to Tool 32 : “Positive lists of Technologies”, version 03.0. Therefore, this condition is met.</p>	<p>additionality of smallscale project activities”, version 13.1, which refers to Tool 32: “Positive lists of Technologies”, version 03.0. falls under the small-scale criteria and the PO has chosen the same for demonstrating their additionality. Hence, acceptable</p>
	<p>This methodological tool shall be applied in conjunction with a small scale or large-scale methodology which refers to this tool.</p>	<p>Tool 32 “Positive lists of technologies” version 04.0 have been released on 11 March 2022. However, as per the statement in the Clarification No 02 version 1.0 issued afterward, it was stated that the projects listed before 11 March 2022 can benefit from Tool 32 “Positive lists of technologies” version 03.0. This project activity was listed on 14 February 2022 as can be seen on GCC Portal and is eligible to use Tool 32 version 03.0. In addition, the project activity has requested for registration before 5th Nov.2022 in line with para 10 (b) of Clarification No 02 version 1.0.</p>	<p>As per the statement in the Clarification No 02 version 1.0 issued after the release of Tool 32 version 04.0, it was stated that the projects listed before 11 March 2022 can benefit from Tool 32 “Positive lists of technologies” version 03.0. This project activity was listed on 14 February 2022 same is confirmed from the GCC Portal and is eligible to use Tool 32 version 03.0. In addition, the project activity has requested for registration before 5th Nov.2022 in line with para 10 (b) of Clarification No 02 version 1.0. Hence, acceptable.</p>
	<p>The positive lists as contained in section 5 of this tool are valid up to 28 November 2022. Notwithstanding the provisions on the validity of new, revised and previous versions of methodologies and methodological tools in the “Procedure: Development, revision and clarification of baseline and monitoring methodologies and</p>	<p>“Solar photovoltaic technologies” is included in section 5.2.1. of this tool. Hence, this condition is met.</p>	<p>The project activity is small-scale solar photovoltaic power generation (14 MW), this applicability condition is met. Further, as per GCC “Clarification No. 02” version 01, “If a project has already been submitted to GCC program before March</p>

	<p>methodological tools”, there will be no grace period for the application of this tool and the validity of the positive list after this date, including in cases where further technologies are added to the positive list through revisions of this tool before this date.</p>		<p>11th 2022 (included), CDM Tool 32: Positive lists of technologies, version 3 can be applied, as long as request for registration can be submitted before 5th Nov. 2022 or within one year after the date of first submission to GCC Program for GSC, whichever is earlier. Submission date of the project is on 10/02/2022 which is before 11/03/2022. Hence, the applicability condition is met.</p>
	<p>Applicability criteria of the tool 20, Version 04.0</p> <p>This methodological tool is applicable to proposed small-scale project activities and small-scale CPAs in order to check whether they are debundled components of largescale project activities.</p>	<p>Justification in the PSF</p> <p>The project is a small-scale project activity. Tool 20 Version 4.0 is used to demonstrate that the project activity is not involved in debundled components of largescale project activities. Hence, this tool is applicable</p>	<p>GCC Verifier assessment</p> <p>The project activity involved the construction and operation of 14 MW solar power plant in Türkiye. The project activity is bundled project and is not involved in debundled components of largescale project activities.falls under the small scale criteria and the Hence, acceptable</p>
	<p>Applicability criteria of the tool 21, Version 13.1</p> <p>The use of the methodological tool “Demonstration of additionality of small-scale project activities” is not mandatory for project owners when proposing new methodologies. Project participants and coordinating/managing entities may propose alternative methods to demonstrate additionality for consideration by the Executive Board.</p>	<p>Justification in the PSF</p> <p>No new methodologies are proposed. Additionality is demonstrated by using Tool 32 : Positive lists of technologies, version 03.0.</p>	<p>GCC Verifier assessment</p> <p>The project activity involved the construction and operation of a 14 MW solar power plant in Türkiye. The project activity falls under the small-scale criteria and the PO has chosen for tool 32 Positive lists of technologies, version 03.0. demonstrating their additionality. Hence, acceptable</p>

Eligibility criteria of the Clarification No. 02, Version 01.0	Justification in the PSF	GCC Verifier assessment
<p>(b) If a project has already been submitted to GCC program before March 11th 2022 (included), CDM Tool 32: Positive lists of technologies, version 3 can be applied, as long as request for registration can be submitted before 5th Nov. 2022 or within one year after the date of first submission to GCC Program for GSC, whichever is earlier.</p>	<p>Submission date of the project is on 10/02/2022 which is before 11/03/2022. Hence, CDM Tool 32: Positive lists of technologies, version 3 can be applied, as long as request for registration can be submitted before 5th Nov. 2022.</p>	<p>The project has been submitted to GCC before March 11th, 2022. i.e., 10/02/2022. CDM Tool 32: Positive lists of technologies, version 3 can be applied, as long as request for registration can be submitted before 5th Nov. 2022, Hence, acceptable.</p>
Two-level analysis for formulation of homogeneous bundles of the Clarification No. 01, Version 01.3.	Justification in the PSF	GCC Verifier assessment
<p>Level-1 analysis – Consideration of key aspects for developing Homogeneous Bundles: A homogeneous bundle shall be formed based on the analysis of multiple activities to find out similarity in technological, economic and environmental/methodological considerations. These are explained as follows.</p> <p>(i) Similarity in Technological Considerations: All activities in a bundle shall apply same type of technology as allowed by the applicable methodology or combination of methodologies³, if allowed, addressing ‘cross-effects’ (e.g., a single project developed to include only solar PV technology and applying ACM0002 and AMS- I.D).</p> <p>(ii) Similarity in Economic and Policy Considerations: Activities under one bundle shall have same additionality approach (investment or barrier analysis as stipulated by the applicable methodology):</p> <p>(iii) Similarity in Environmental</p>	<p>The project is a bundle of projects which apply the same type of technology.</p> <p>(i) The project is a single project developed to include only solar PV technology and applying AMS- I.D. Hence, the project complies with the clarifications.</p> <p>(ii) Activities under this bundle have the same additionality approach. Since solar photovoltaic technologies are covered under Tool 32 : “Positive lists of Technologies”, version 03.0, they are automatically additional.</p> <p>(iii) Activities under this bundle have the same application of methodology and same baseline</p>	<p>The project activity constitutes of bundle of projects which apply the same type of technology, i.e., solar PV technology and uses methodology AMS- I.D. The project activity also uses the same additionality approach. Since solar photovoltaic technologies are covered under Tool 32: “Positive lists of Technologies”, version 03.0, they are automatically additional. Further, project activity has the same baseline scenario and same monitoring approach. Hence, the project activity meets all the criteria.</p>

	<p>or Methodological Considerations: Activities in one bundle shall have: i. application of same methodology (or approved combinations where cross effects are addressed); ii. same baseline approach and the outcome; and iii. same monitoring approach and parameters for the part included for GHG.</p>	<p>approach. Their monitoring approach are also the same.</p>	
	<p>Level-2 analysis – Criteria for differentiating the bundles: Formulate a separate bundle of activities if any of the following criteria is not complied with. (a) Same baseline of each activity within a bundle; (b) Same output of each activity (e.g., heat or power or cogeneration); (c) Same Technology of each activity (e.g., wind or solar);</p>	<p>Level-2 analysis is not required since the project meets criteria (c).</p>	<p>Project activity meets all the criteria as mentioned above. Therefore level-2 analysis is not required.</p>

Clarification on applicability of methodology, tool and/or standardized baseline

Means of Project Verification	Desk Review, Interview
Findings	No findings in this section
Conclusion	<p>As per the paragraph 1 of D.3.2 of the PVR filling guidelines “Confirm whether any clarification on applicability of methodology, tool and/or standardized baseline to the proposed GCC project activity has been issued. If the clarification has been issued, confirm the date of the issuance and reference number”. The project activity doesn’t contain any clarification on applicability of methodology, tool and/or standardized baseline. Hence, this is not applicable for this proposed project activity.</p> <p>Project owner has used the United Nations approved consolidated baseline methodology, which is applicable to this project.</p> <ul style="list-style-type: none"> AMS-I.D.: Grid connected renewable electricity generation, version 18.0. <p>AMS-I. D refers to the following tools:</p> <ul style="list-style-type: none"> Tool 07: “Tool to calculate the emission factor for an electricity system”, version 7, Tool 21: “Demonstration of additionality of smallscale project activities”, version 13.1 which refers to Tool 32 : “Positive lists of Technologies”, version 03.0 GCC Standard on Avoidance of Double Counting, version 1.018 <p>Tool 20 Assessment of debundling for small-scale project activities version 04.0.</p>

Project boundary, sources and GHGs

Means of Project Verification	Desk Review, Interview
Findings	CAR 06 was raised and finding is closed. Please refer to Appendix 4 for further details.
Conclusion	<p>According to the approved baseline and monitoring methodology “AMS-I.D.” of “Grid connected renewable electricity generation”, Version 18 /B-02/, the project boundary is “the spatial extent of the project boundary includes the project power plant and all power plants connected physically to the electricity system that the CDM project power plant is connected to”. Hence, the project boundary includes the solar PV array, invertors, transformers, metering/substation system and Türkiye grid (regional grid). The physical boundary of the project activity identified by the PO has been cross verified by EIA approval /10/ /11/, provisional acceptance/5/, system use agreement /6/ /7/, connection agreement /8/ /9/.</p> <p>In section B.3 of the PSF /01/, project boundary has been adequately stated in figure 5 and table. Hence, the project boundary includes the solar power plant and all the power plant connected to Turkish national grid.</p>

Baseline scenario

Means of Project Verification	Desk Review, Interview
Findings	No finding in this section.
Conclusion	<p>According to the approved baseline methodology AMS-I.D. /B-02/, 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 into the grid. Project activity involves generation of electricity using solar power and selling it to Türkiye national grid as confirmed through the provisional acceptance /5/, system use agreement /6/ /7/, connection agreement /8/ /9/. In the absence of this project activity, same amount of electricity would have otherwise been generated by the operation of grid-connected power plants and by the addition of new generation sources into the grid. The same was cross checked and confirmed by referring the national grid emission factors was published by Ministry of Energy and Natural Resources/14/.</p> <p>Further, the verification team has assessed the relevant regulations to confirm the project meets the legal requirement test:</p> <ol style="list-style-type: none"> 1. Law on Utilization of Renewable Energy Resources for the Purpose of Generating Electricity Energy⁶, No. 5346, ratified on 10/05/2005 by Grand National Assembly of Türkiye, enacted on 18/05/2005 by President of Türkiye/46/ 2. Electricity Market Law⁷, No. 6446, ratified on 14/03/2013 by Grand National Assembly of Türkiye, enacted on 30/03/2013 by President of Türkiye/47/ 3. Environment Law⁸, No. 2872, ratified on 09/08/1983 by Grand National Assembly of Türkiye, enacted on 11/08/1983 by President of Türkiye/48/ 4. EIA Regulation⁹ (Ratified by President of Türkiye, enacted 25/11/2014 with Official Gazette Issue: 29186 by Official Gazette of Türkiye, authored by Ministry of Environment, Urbanization and Climate Change)/49/

⁶ Republic of Türkiye, Law no 5346, 10/05/2005
<https://www.mevzuat.gov.tr/mevzuat?MevzuatNo=5346&MevzuatTur=1&MevzuatTertip=5>

	<p>5. Energy Efficiency Law¹⁰ (Ratified by President of Türkiye, enacted 02/05/2007 with Official Gazette Issue: 26510 by Official Gazette of Türkiye, authored by Energy Market Regulatory Authority (EMRA)/50/</p> <p>The baseline scenario has been adequately stated as: The baseline scenario is 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, as reflected in the combined margin (CM) calculations described in “TOOL07: Tool to calculate the emission factor for an electricity system”.</p> <p>The following ex ante parameters and assumptions were used to estimate baseline emissions of the project activity. Combined margin CO₂ emission factor for the project electricity system in year y (EF_{grid,CM,y}) – The value has been sourced from Ministry of Energy and Natural Resources, document named as Türkiye’s National Electricity Network Emission Factor Factsheet-2020 (dated 20/09/2022) -The value is calculated as per the TOOL 07: “Tool to calculate the emission factor for an electricity system” (Version 07.0). This was found in accordance with the methodology.</p>
--	---

Demonstration of additionality

Means of Project Verification	Desk Review, Interview
Findings	No finding in this section.
Conclusion	<p>Project owner has described the Demonstration of additionality according to the GCC Project Standard Version 03.1. In section B.5 of the PSF, two components are applied for the demonstration of additionality.</p> <p>A Legal Requirement Test The country of Türkiye has no special laws that enforces the mandatory requirements to develop/install solar power plant or restricting the business-as-usual scenario. As the project activity are not mandated by law or regulations and are entirely a voluntary action. Hence there are no regulatory barriers to continue with the generation of electricity from coal-based power plants.</p> <p>Further, the verification team has assessed the relevant regulations to confirm the project meets the legal requirement test:</p> <ol style="list-style-type: none"> 6. Law on Utilization of Renewable Energy Resources for the Purpose of Generating Electricity Energy¹¹, No. 5346, ratified on 10/05/2005 by Grand National Assembly of Türkiye, enacted on 18/05/2005 by President of Türkiye/46/ 7. Electricity Market Law¹², No. 6446, ratified on 14/03/2013 by Grand National Assembly of Türkiye, enacted on 30/03/2013 by President of Türkiye/47/ 8. Environment Law¹³, No. 2872, ratified on 09/08/1983 by Grand National Assembly of Türkiye, enacted on 11/08/1983 by President of Türkiye/48/

¹¹ Republic of Türkiye, Law no 5346, 10/05/2005
<https://www.mevzuat.gov.tr/mevzuat?MevzuatNo=5346&MevzuatTur=1&MevzuatTertip=5>

	<p>9. EIA Regulation¹⁴ (Ratified by President of Türkiye, enacted 25/11/2014 with Official Gazette Issue: 29186 by Official Gazette of Türkiye, authored by Ministry of Environment, Urbanization and Climate Change)/49/</p> <p>10. Energy Efficiency Law¹⁵ (Ratified by President of Türkiye, enacted 02/05/2007 with Official Gazette Issue: 26510 by Official Gazette of Türkiye, authored by Energy Market Regulatory Authority (EMRA)/50/</p> <p>Additionality Test According to the approved baseline and monitoring methodology “AMS-I.D.” version 18 /B-02/, the additionality of the project has been established applying the CDM methodological tool Positive lists of Technologies”, Version 03.0 /B-08/. The additionality of the proposed project activity is further explicitly explained as follows.</p> <p><u>Additionality Test based on a Positive List test.</u></p> <p>PO has demonstrated additionality of the project as per the ‘Demonstration of additionality of small-scale project activities’ (version 13.1). According to paragraph 10, additionality of a project activity is to be demonstrated through applicability of the stipulated barriers. In furtherance paragraph 11 stipulates that “documentation of barriers, as per paragraph 10 above, is not required for the positive list of technologies and project activity types that are defined as automatically additional for project sizes up to and including the small-scale CDM thresholds”.</p> <p>Since the project activity size is less than \leqSSC thresholds (15MW, 60GWh/y, 60ktCO₂e/y) and employed solar photovoltaic technology (this technology is listed under positive list of TOOL32), the project is deemed to be automatically additional.</p> <p>As per the Clarification no. 2 issued by GCC, if a project has already been submitted to GCC program before March 11th 2022 (included), CDM Tool 32: Positive lists of technologies, version 3 can be applied, as long as request for registration can be submitted before 5th Nov. 2022 or within one year after the date of first submission to GCC Program for GSC, whichever is earlier. Project submission date to GCC is on 10/02/2022 which is before 11/03/2022. The date of submission of RFR to GCC is 10/02/2022. as per GCC Clarification No. 02, v1.0 the CDM Tool 32: Positive lists of technologies, version 3 can be applied, as long as request for registration can be submitted before 5th Nov. 2022. Thus the project activity complies to the para 10 (b) of clarification no 2.</p> <p>The baseline scenario is 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, as reflected in the combined margin (CM) calculations described in “TOOL07: Tool to calculate the emission factor for an electricity system”.</p>
--	---

Estimation of emission reductions or net anthropogenic removal

Means of Project Verification	Desk Review, Interview
Findings	CL 01, CAR 07 and CAR 15 were raised and finding is closed. Please refer to Appendix 4 for further details.

Conclusion	<p>The equations and choices provided in the applied methodology, AMS-I.D., Version 18.0 /B02/ are quoted in the PSF /1/. The emission reductions of the Project Activity would be calculated using the formulae mentioned in the applied methodology.</p> <p>Baseline Emissions Baseline emissions include only CO₂ emissions from electricity generation in fossil fuel fired power plants that are displaced due to the project activity. The baseline emission have been calculated according to Equation 1 of AMS-I.D. version 18.</p> $BE_y = EG_{PJ,y} \times EF_{grid,CM,y}$ <p>Where,</p> <table style="margin-left: 40px; border: none;"> <tr> <td style="padding-right: 20px;">$BE_y =$</td> <td>Baseline emissions in year y (t CO₂/yr)</td> </tr> <tr> <td style="padding-right: 20px;">$EG_{PJ,y} =$</td> <td>Quantity of net electricity generation that is produced and fed into the grid as a result of the implementation of the GCC project activity in year y (MWh/yr)</td> </tr> <tr> <td style="padding-right: 20px;">$EF_{grid,CM,y} =$</td> <td>Combined margin CO₂ 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” (t CO₂/MWh)</td> </tr> </table> <p>The following ex ante parameters and assumptions were used to estimate baseline emissions of the project activity. Combined margin CO₂ emission factor for the project electricity system in year y ($EF_{grid,CM,y}$) – The value has been sourced from Ministry of Energy and Natural Resources, document named as Türkiye’s National Electricity Network Emission Factor Factsheet-2020 (dated 20/09/2022) -The value is calculated as per the TOOL 07: “Tool to calculate the emission factor for an electricity system” (Version 07.0). This was found in accordance with the methodology.</p> <p>Project Emissions As per the approved consolidated Methodology AMS-I.D. (Version 18) para 39: “For most renewable energy power generation project activities, $PE_y = 0$. However, some project activities may involve project emissions that can be significant. These emissions shall be accounted for as project emissions by using the following equation (1):</p> $PE_y = PE_{FF,y} + PE_{GP,y} + PE_{HP,y}$ <p>PE_y = Project emissions in year y (t CO₂e/yr) $PE_{FF,y}$ = Project emissions from fossil fuel consumption in year y (t CO₂/yr) $PE_{GP,y}$ = Project emissions from the operation of dry, flash steam or binary geothermal power plants in year y (t CO₂e/yr) $PE_{HP,y}$ = Project emissions from water reservoirs of hydro power plants in year y (tCO₂e/yr)</p>	$BE_y =$	Baseline emissions in year y (t CO ₂ /yr)	$EG_{PJ,y} =$	Quantity of net electricity generation that is produced and fed into the grid as a result of the implementation of the GCC project activity in year y (MWh/yr)	$EF_{grid,CM,y} =$	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” (t CO ₂ /MWh)
$BE_y =$	Baseline emissions in year y (t CO ₂ /yr)						
$EG_{PJ,y} =$	Quantity of net electricity generation that is produced and fed into the grid as a result of the implementation of the GCC project activity in year y (MWh/yr)						
$EF_{grid,CM,y} =$	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” (t CO ₂ /MWh)						

	<p>As the project activity is the installation of a new grid-connected Solar Power plant and does not involve any project emissions from fossil fuel, operation of dry, flash steam or binary geothermal power plants, and from water reservoirs of hydro power plants. Therefore $PE_{FF,y}$, $PE_{GP,y}$, $PE_{HP,y}$ are equal to zero and thus, $PE_y = 0$.</p> <p>Leakage Emissions: No other leakage emissions are considered. The emissions potentially arising due to activities such as power plant construction and upstream emissions from fossil fuel use (e.g. extraction, processing, transport etc.) are neglected.</p> <p>Emission Reductions Based on the data above, the emission reduction value for the project activity as follows;</p> <p>$ER_y = BE_y - PE_y - LE_y$</p> <p>$ER_y = BE_y = 18,166 \text{ tCO}_2\text{e}$</p>
--	---

Monitoring plan

Means of Project Verification	Desk Review, Interview										
Findings	CL 02, CAR 08, CAR 09 and CAR 10 were raised and finding is closed. Please refer to Appendix 4 for further details.										
Conclusion	<p>The approved baseline and monitoring methodology “AMS-I.D.” Version 18 /B-02/ has been applied.</p> <p>The monitoring plan is in accordance with the monitoring methodology; the monitoring plan will give opportunity for real measurement of achieved emission reductions. CCIPL project verification team has checked all the parameters presented in the monitoring plan against the requirements of the methodology; no deviations relevant to the project activity have been found in the plan.</p> <p>CC IPL confirms that the monitoring arrangements described in the monitoring plan are feasible within the project design, and the means of implementation of the monitoring plan are sufficient to ensure the emission reductions achieved by/resulting from the proposed GCC project activity can be reported ex post and verified.</p> <p>Parameters determined ex-ante</p> <p>The ex-ante parameters that are mentioned in the methodology are included in the PSF and are provided in compliance with the methodology:</p> <table border="1" data-bbox="502 1659 1481 2018"> <thead> <tr> <th></th> <th>Data/parameter</th> <th>Value applied</th> <th>Assessment</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Combined Margin CO2 emission factor in year y of Turkish National Grid ($EF_{grid,CM,y}$)</td> <td>0.6488tCO₂e/MWh</td> <td>Calculated considering 75% operating margin and 25% build margin as per the “tool to calculate the emission factor for an electricity system” /B-05/. The value for Operating margin and Build margin has been taken from the report published by Ministry of Energy and Natural Resources /14//19/.</td> </tr> </tbody> </table>				Data/parameter	Value applied	Assessment	1	Combined Margin CO2 emission factor in year y of Turkish National Grid ($EF_{grid,CM,y}$)	0.6488tCO ₂ e/MWh	Calculated considering 75% operating margin and 25% build margin as per the “tool to calculate the emission factor for an electricity system” /B-05/. The value for Operating margin and Build margin has been taken from the report published by Ministry of Energy and Natural Resources /14//19/.
	Data/parameter	Value applied	Assessment								
1	Combined Margin CO2 emission factor in year y of Turkish National Grid ($EF_{grid,CM,y}$)	0.6488tCO ₂ e/MWh	Calculated considering 75% operating margin and 25% build margin as per the “tool to calculate the emission factor for an electricity system” /B-05/. The value for Operating margin and Build margin has been taken from the report published by Ministry of Energy and Natural Resources /14//19/.								

Parameters monitored ex-post			
<p>The ex-post parameters that are mentioned in the methodology are included in the PSF and are provided in compliance with the methodology, and they will be monitored during the crediting period:</p>			
Parameter	Value	Unit	Assessment
Quantity of net electricity supplied by the project plant/unit to the grid in the year y, $EG_{PJ, facility, y}$ (MWh/Year)	28,000	MWh	<p>The electricity generated by the project activity is supplied to the Turkish national grid. The amount of electricity exported by the project activity shall be continuously monitored by a main and a check meter of accuracy class 0.5s. The meters used are two-way electronic meters.</p> <p>The meter readings are taken on monthly basis. The same will be cross checked with the Invoice raised by the developer to TEIAS.</p> <p>In case of failure of main meter; the check meter shall be used. The meter(s) shall be calibrated and maintained by the TEIAS.</p> <p>The calibration of meters are carried out periodically, the frequency of calibration of energy meter is once in 10 years, which is in accordance with national regulations /40/. The same has been confirmed during the remote site interviews /15/.</p>
Solid Waste Pollution from E-Wastes and end-of-life products/equipment	At actual record	Count of the wastes (in tonne)	<p>The project activity will not cause any harmful effect with respect to Solid Waste Pollution from end-of-life products/equipment. Any end-of-life products/equipment waste will be handled according to the national regulations: Regulation on Waste Management /54/, Regulation on Electrical and Electronic Waste Control /51/, and Regulation on Battery and Accumulator Wastes/52/. e parameter will be verified through Records or invoices from the site/53/.</p>
Solid waste Pollution from Hazardous wastes and waste oil)	At actual record	Count of the wastes (in tonne)	<p>The project activity will generate hazardous waste during the operation. Any waste generated will be handled according to the national regulations: Regulation on Waste Management /54 parameter will be verified through Records or invoices</p>

				from the site/53/.
	CO2 Emissions/ Climate Action Emission reductions achieved per year	18,166	tCO _{2e} /Year	The project activity will result in emission reduction. The parameter will be verified through emission reduction calculation sheet.
	Long term job opportunities created during the operation due to the project activity.	At actual record	Numbers	Project will generate local employment. The parameter will be verified through employment records.
	New short-term jobs (< 1 year) created	At actual record	Numbers	Project will generate local employment. The parameter will be verified through employment records.
	Reducing / increasing accidents	At actual record	Numbers	Project owner will provide HSE training to the employees to reduce the risk of accident at the project sites. The parameter will be monitored through trainings provided.
	Solid Waste Pollution from Solid waste Pollution from Batteries	At actual record	Count of the wastes (in tonne)	The project activity will generate solid waste during the operation. Any waste generated will be handled according to the national regulations: Regulation on Waste Management /54 parameter will be verified through Records or invoices from the site/53/.
	Women's empowerment	At actual record	Numbers	The project activity will generate and increase the number of women employees in the parent company. The parameter will be verified through employment records.
<p>The monitoring plan content has been checked in the project activity and compared against the requirements of the monitoring methodology /B-02/. It has been confirmed by the verification team that the monitoring plan, procedures, roles and responsibilities provided in the PSF is deemed to be feasible.</p>				

Start date, crediting period and duration

Means of Project Verification	Desk review and Interviews
Findings	CAR 16 was raised and findings are closed. Please refer to Appendix 4 for further details.
Conclusion	The start date of the project is 27/10/2021, which is the earliest start date of commercial operation from both the project activities i.e., Metges Burdur /5/. The crediting period has been chosen as fixed 10 years from 27/10/2021 to 26/10/2031.

	The technical lifetime of the project activity is 25 years and a crediting period of a maximum length of 10 years has been selected by PO. Therefore, the duration of the crediting period is from 27/10/2021 to 26/10/2031, which is less than the technical life of the project activity. The project verification team concludes that the duration of the proposed project activity is in conformance with the requirements of §39 and §40 of GCC Project Standard, version 03.01 /B01-1/.
--	---

Environmental impacts

Means of Project Verification	Desk review and Interviews
Findings	CL 03 and CAR 11 were raised and findings are closed. Please refer to Appendix 4 for further details.
Conclusion	It has been indicated in the section D.2 of the PSF/1/ that the projects received environmental impact assessment out of scope approvals, due to the capacities of the projects being below the limit for EIA requirement. The projects received environmental impact assessment approvals by the EIA decisions numbered E.6983 and E.32739 of Republic of Turkish Ministry of Environment, Urbanization and Climate Change /10/ /11/. Both project location were barren land before the implementation of the project. The same is confirmed from the non-agricultural area” document issued by the Provincial Directorate of Agriculture and Forestry of Burdur/55/. The verification team also confirm that the project owner has taken all the necessary legal approvals from the government and other parties to implement the project activity.

Local stakeholder consultation

Means of Project Verification	Desk review and Interviews
Findings	CL 06 and CL 07 were raised and findings are closed. Please refer to Appendix 4 for further details.
Conclusion	It has been indicated in the PSF /1/ that various local stakeholder feedback consultation has been done for the project activity between February 2022 to April, 2022 at Karapınar district in Konya Province and Merkez district, in Burdur province, Türkiye. The Po has submitted the information sheets, the same is attached in the Annex of the PSF/1/. The same has been confirmed during the remote site interviews with various stakeholders /15/. The information sheet includes the details of Positive impacts on environment (E+ Label), Positive impacts on social (S+ Label), Technical and non-technical information about the project and Environment and social impacts of the project as well as the SDG contributions. The same has confirmed during the remote site interviews with various stakeholders /15/.

Approval and Authorization- Host Country Clearance

Means of Project Verification	Desk Review, Interview
Findings	FAR 01 was raised in this section. Please refer to Appendix 4 for further details.
Conclusion	The verification team confirms that no HC approval is required by the CORSIA labelled project activity, and the HCA will be required during the first or subsequent verification.

Project Owner- Identification and communication

Means of Project Verification	Desk Review, Interview
--------------------------------------	------------------------

Findings	CAR 17 was raised and finding is closed. Please refer to Appendix 4 for further details.	
Conclusion	Organization Name	MASFEN İNŞAAT ENERJİ SAN. VE TIC. A.Ş..
	Country	Türkiye
	Address	Çağlayan Mahallesi 2000. Sokak No:2/2 07230 Lara/Muratpaşa/Antalya
	Telephone	+90 242 732 32 32
	Fax	+90 242 732 32 32
	E-mail	recepildarul@masfen.com.tr
	Website	--
	Contact person	Recep ÇİLDARUL
	Organization Name	AAB ENERJİ ÜRETİM TARIMSAL ÜRÜNLER GIDA İNŞAAT SANAYİ TİCARET A.Ş.
	Country	Türkiye
	Address	Çağlayan Mahallesi 2000. Sokak No:2/2 07230 Lara/Muratpaşa/Antalya
	Telephone	+90 242 732 32 32
	Fax	+90 242 732 32 32
	E-mail	recepildarul@masfen.com.tr
	Website	--
	Contact person	Recep ÇİLDARUL
	Organization Name	METGES ENERJİ ELEKTRİK ÜRETİM A.Ş.
	Country	Türkiye
	Address	Çağlayan Mahallesi 2000. Sokak No:2/2 07230 Lara/Muratpaşa/Antalya
	Telephone	+90 242 732 32 32
	Fax	+90 242 732 32 32
	E-mail	recepildarul@masfen.com.tr
	Website	--
	Contact person	Recep ÇİLDARUL
	<p>This is in compliance with the Para 10 (i) of the Project Standard Version 3.1. The information and contact details of the representation of the project owner and project owners themselves has been appropriately incorporated in Appendix 1 of the PSF which was checked and verified by the verification team from Authorization letter signed by the project owners. All information was consistent between these documents. The project verification team has reviewed the Provision acceptance Reports for the projects in the bundle/4//5/ and Connection Agreement for the projects in the bundle/8//9/. The project verification team thus confirmed the legal ownership of the solar project activity. The project verification team has checked the LOA /16//17/ submitted by the client and confirms that Masfen İnşaat Enerji San. Ve Tic. A.Ş (project owner) being the parent company of the AAB Enerji Üretim Tarımsal Ürünler Gıda İnşaat Sanayi and Ticaret A.Ş. And Metges Enerji Elektrik Üretim A.Ş, who is the legal owners of the bundle GCC project, the same is confirmed from the self-declaration document regarding the ownership of the carbon credits in the letter head of the project owner/13/.</p>	

Global stakeholder consultation

Means of Project	Desk Review, Interview
-------------------------	------------------------

Verification	
Findings	No Findings in this section.
Conclusion	The process for global stakeholder consultation was conducted in accordance with the requirements of section 3.2.4 of the Verification Standard (version 03.1) /B01-2/. The PSF was published for global stakeholder consultation from 24/03/2022 to 07/04/2022. During the above period no Global stakeholders' comments were received.

Environmental Safeguards (E+)

Means of Project Verification	Desk Review, Interview
Findings	CL 05 and CAR 12 were raised and findings are closed. Please refer to Appendix 4 for further details.
Conclusion	<p>The Project owner has chosen to apply for the Environmental No-net-harm Label (E+). The assessment of the impact of the project activity on the environmental safeguards has been carried out in section E.1 of the PSF. Out of all the safeguards no risks to the environment due to the project implementation were identified and the following environmental impacts were considered for the project activity.</p> <p>(a) Environment – Air; CO₂ emissions The project is expected to reduce the CO₂ emission throughout the crediting period. Therefore, DO NO Harm Risk assessment is evaluated as harmless. However, based on the monitoring approach adopted by the project owner, the scoring is +1. This is accepted by the project verification team.</p> <p>(b) Environment – Land; Solid waste Pollution from E-wastes The project activity is not expected generate e-Wastes. There might be a minor amount of E-waste in case of product failure, which is quite unlikely due to the sound technology and quality standard of the solar panels. However, the same will be disposed as per Regulation on Waste Management /54/, Regulation on Electrical and Electronic Waste Control /51/, and Regulation on Battery and Accumulator Wastes/52/, and the records will be maintained with respect to the same. Therefore, the impact is assessed as harmless; the same is confirmed during the remote site assessment /15/. However, based on the monitoring approach adopted by the project owner, the scoring is +1. This is accepted by the project verification team.</p> <p>(c) Environment – Land; Solid waste Pollution from end-of-life products/equipment The project activity lifetime is 25 years, once the lifetime of the equipment is completed the same will be disposed as per Regulation on Waste Management /54/, Regulation on Electrical and Electronic Waste Control /51/, and Regulation on Battery and Accumulator Wastes/52/, and the records will be maintained with respect to the same. Therefore, the impact is assessed as harmless; the same is confirmed during the remote site assessment /15/. However, based on the monitoring approach adopted by the project owner, the scoring is +1. This is accepted by the project verification team.</p> <p>(d) Environment – Land- Solid waste Pollution from Hazardous wastes The project activity will generate hazardous waste during the operation. Any waste generated will be handled according to the national regulations: Regulation on Waste Management /54 parameter will be verified through Records or invoices from the site/53/. Therefore, the impact is assessed as harmless; the same is confirmed during the remote site assessment /15/. However, based on the monitoring approach adopted by the project owner, the scoring is +1. This is accepted by the project verification team.</p>

	<p>(e) Environment - Natural Resources- Replacing fossil fuels with renewable sources of energy The project will replace the fossil fuels with renewable sources of energy with electricity generation from solar plant. The project provides 28,000 MWh annual clean energy to the grid the same will be confirmed from the actual generation reports. Therefore, the impact is assessed as harmless; the same is confirmed during the remote site assessment /15/. However, based on the monitoring approach adopted by the project owner, the scoring is +1. This is accepted by the project verification team.</p> <p>(f) Environment – Land- Solid waste Pollution from Batteries The project activity will generate solid waste during the operation. Any waste generated will be handled according to the national regulations: Regulation on Waste Management /54 parameter will be verified through Records or invoices from the site/53/. Therefore, the impact is assessed as harmless; the same is confirmed during the remote site assessment /15/. However, based on the monitoring approach adopted by the project owner, the scoring is +1. This is accepted by the project verification team.</p> <p>The verification team confirm that the project activity will not cause any net harm to the environment and net score for project activity comes out to be +6.</p>
--	---

Social Safeguards (S+)

Means of Project Verification	Desk review and interview
Findings	CL 04 ,CAR 13, CAR 18 were raised and findings are closed. Please refer to Appendix 4 for further details.
Conclusion	<p>The Project owner has chosen to apply for the Social No-net-harm Label (S+). The assessment of the impact of the project activity on the social safeguards has been carried out in section E.2 of the PSF. Out of all the safeguards no risks to the Society due to the project implementation were identified and the following have been indicated as positive impacts. The verification team based on the review of the PSF and the supporting document/25/ confirms that the social impacts mentioned in the section E.2 of the PSF is applicable to the Project activity and the monitoring procedures of the parameters are provided.</p> <p>(a) Social Jobs – Long term jobs (> 1 year) created/lost The project activity leads to employment generation in long term over a period of 10 years. Employment records can be verified during the issuance verification. The same could be verified with the human resource records of the project owner during issuance verification.</p> <p>(b) Social Jobs – short term jobs (> 1 year) created/lost The project activity leads to employment generation in short term over a period of 10 years. Employment records can be verified during the issuance verification. The same could be verified with the human resource records of the project owner during issuance verification.</p> <p>(c) Social - Health & Safety- Reducing / increasing accidents Project owner will provide HSE training to the employees to reduce the risk of accident at the project sites. Trainings records can be verified during the issuance verification. The same could be verified with the human resource records of the project owner during issuance verification.</p>

	<p>(d) Social – Welfare- Women's empowerment The project activity will generate and increase the number of women employees in the parent company. Employment records can be verified during the issuance verification. The same could be verified with the human resource records of the project owner during issuance verification.</p> <p>Verification team will be able to confirm that Project activity will not cause any net harm to the society and net score for project activity comes out to be +4.</p>
--	---

Sustainable development Goals (SDG+)

Means of Project Verification	Desk review and interview
Findings	CAR 14 and CAR 18 was raised and findings are closed. Please refer to Appendix 4 for further details.
Conclusion	<p>The Project owner has chosen to apply for the United Nations Sustainable Development Goals (S+). The assessment of the impact of the project activity on the SDG's has been carried out in section F of the PSF. The project is expected to contribute 3 SDGs which are SDG 7, 8, and 13. The verification team confirms that the SDG chose by the PO is in compliance with the GCC Project sustainability standard V.2.1 and is applicable to the Project activity and the monitoring procedure of each SDG is given in section F and B.7.1 of the PSF.</p> <p>UN- level SDGs</p> <p>(a) Goal 7. Ensure access to affordable, reliable, sustainable and modern energy for all The project activity that commissioned on 2021 continues to provide clean energy to the global energy mix, thereby complying with the SDG target 7.2.</p> <p>(b) Goal 8. Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all The project activity is found to be generating direct and indirect employment opportunities in long term and short term for all workers including young people and persons with disabilities and equal pay for work of equal value thereby complying to the SDG target 8.5.</p> <p>(d) Goal 13. Take urgent action to combat climate change and its impacts The project activity reduces greenhouse gas annually by 18,166 tCO₂ meeting the SDG target 13.2.</p>

Authorization on Double Counting from Host Country (for CORSIA)

Means of Project Verification	Desk review and interview
Findings	CAR 03 was raised and findings are closed. Further, FAR 01 was raised in this section. Please refer to Appendix 4 for further details.
Conclusion	<p>A declaration under section A.5 of the PSF has been included for offsetting the approved carbon credits (ACCs) for the entire crediting period from 27/10/2021 to 26/10/2031.</p> <p>The host country attestation is yet to be obtained for authorization on double counting.</p>

CORSIA Eligibility (C+)

Means of Project Verification	Desk review and interview
--------------------------------------	---------------------------

Findings	CAR 06 was raised and findings are closed. Further, FAR 01 was raised in this section. Please refer to Appendix 4 for further details.
Conclusion	The project activity meets the CORSIA Eligibility since the crediting period is after 01/01/2016 and the project is applying for registration under GCC which is one of the approved programmes for eligibility. It was also confirmed that the project activity does not fall under the excluded unit types, methodologies, programme elements, and/or procedural classes.

Internal quality control

>>

The Final project verification report prepared by the verification team was reviewed by an independent technical review team to confirm if the internal procedures established and implemented by CCIPL were duly complied with and such opinion/conclusion is reached in an objective manner that complies with the applicable GCC rules/requirements. The technical review team is collectively required to possess the technical expertise of all the technical area/ sectoral scope the project activity relates to. All team members of technical review team were independent of the verification team.

The technical review process may accept or reject the verification opinion or raise additional findings in which case these must be resolved before requesting for registration. The technical review process is recorded in the internal documents of CCIPL, and the additional findings gets included in the report. The final report passed by technical reviewer is approved by the authorized personal of Carbon Check and issued to PO and/or submitted for request for registration, as appropriate on behalf of CCIPL.

Project Verification opinion

>>

CC IPL was contracted by MASFEN İNŞAAT ENERJİ SAN. VE TİC. A.Ş for project verification of the project activity “MASFEN-3 Solar Bundle” in Türkiye. The project verification was performed based on rules and requirements defined by GCC for the project activity.

The project activity is a bundled solar power project, which results in reductions of CO₂e emissions that are real, measurable and give long-term benefits to the mitigation of climate change. It is demonstrated that the project is not a likely baseline scenario and the emission reductions attributable to the project are, hence, additional to any that would occur in the absence of the project activity. The project correctly applies the CDM approved baseline and monitoring methodology AMS-I.D. “Grid connected renewable electricity generation”, Version 18.0 and is assessed against latest valid PS, VS and Environment and Social Safeguards Standard, Project-Sustainability-Standard and/or other applicable GCC/CDM Decisions/Tools/Guidance/Forms.

The project activity is likely to achieve the anticipated emission reductions stated in the PSF provided the underlying assumptions do not change. The expected emission reductions from the project activity are estimated to be 181,660 tCO₂e/year over the 10 years crediting period starting from 27/10/2021.

CC IPL has informed the project owners of the project verification outcome through the draft project verification report and final project verification report. The final project verification report contains the information with regard to fulfilment of the requirements for project verification, as appropriate.

CC IPL applied the following verification process and methodology using a competent verification team;

Project Verification Report

- The desk review of documents and evidence submitted by the project owner in context of the reference GCC rules and guidelines issued,
- Undertaking/conducting site visit, interview, or interactions with the representative of the project owner
- Reporting audit findings with respect to clarifications and non-conformities and the closure of the findings, as appropriate
- Preparing a draft verification opinion based on the auditing findings and conclusions
- Technical review of the draft project verification opinion along with other documents as appropriate by an independent competent technical review team.
- Finalization of the project verification opinion (this report)

Carbon Check (India) Private Limited (CC IPL) has verified and hereby certifies that the GCC project activity “MASFEN-3 Solar Bundle” in Türkiye

a. Has correctly described the Project Activity in the Project Submission Form including the applicability of the approved CDM methodology AMS-I.D., version 18.0 and meets the methodology applicability conditions, is additional and is expected to achieve the forecasted real, measurable and additional GHG emission reductions, complies with the monitoring methodology, has appropriately conducted local and global stakeholder consultation processes and has calculated emission reduction estimates correctly and conservatively.

b. Is likely to generate GHG emission reductions amounting to the estimated 18,166 tCO₂e annually as indicated in the PSF, which are additional to the reductions that are likely to occur in absence of the Project Activity and complies with all applicable GCC rules, including ISO 14064-2 and ISO 14064-3, and therefore requests the GCC Program to register the Project Activity;

c. is not likely to cause any net-harm to the environment and/or society and complies with the environmental and Social Safeguards Standard, and therefore requests the GCC Program to register the Project Activity, which is likely to achieve the requirements of the Environmental Nonet-harm Label (E+) and the Social Nonet-harm Label (S+); and


d. is likely to contribute to the achievement of United Nations Sustainable Development Goals (SDGs), comply with the Project Sustainability Standard, and contribute to achieving a total of 3 SDGs, which is likely to achieve the silver SDG certification label (SDG+)

e. is likely to contribute to CORSIA Eligible Emission Units and has CORSIA Label (C+) certification valid till 31 December 2020. A written attestation from the Host country on double counting is not required until 31 December 2020 and the project was found meeting the applicable requirements prescribed by ICAO.

Appendix 1. Abbreviations

Abbreviations	Full texts
ACC	Approved Carbon Credits
ACC+	Approved Carbo Credit Label
CAR	Corrective Action Required
CDM	Clean Development Mechanism
CL	Clarification Request
CORSIA	Carbon Offsetting and Reduction Scheme for International Aviation
DR	Document Review
E+	Environmental No net harm Label
EIA	Environmental Impact Assessment
ERVR	Emission Reduction Verification Report
EVN	Türkiye Electricity Corporation
FAR	Forward Action Request
GCC	Global Carbon Council
GHG	Greenhouse Gas
GORD	Gulf Organization for Research and Development
GV	GCC Verifier
GWP	Global Warming Potential
I	Interview
IPCC	Intergovernmental Panel on Climate Change
ISO	International Organization for Standardization
MENA	Middle East & North Africa
PSF	Project Submission Form
PVR	Project Verification Report
S+	Social No- net harm Label
SDG+	United Nation Sustainable Development Goal Label
UNFCCC	United Nations Framework Convention on Climate Change
VB	Verification Body

Appendix 2. Competence of team members and technical reviewers



Carbon CHECK

Carbon Check (India) Private Limited

Certificate of Competency

Mr. Vijay Mathew

has been qualified as per CCIPL's internal qualification procedures in accordance with the requirements of CDM AS (V7.0), ISO/IEC14065:2020, ISO/IEC 17029:2019 and other applicable GHG programs:


for the following functions and requirements:

<input checked="" type="checkbox"/> Validator	<input checked="" type="checkbox"/> Verifier	<input checked="" type="checkbox"/> Team Leader	<input checked="" type="checkbox"/> Technical Expert
<input checked="" type="checkbox"/> Technical Reviewer	<input type="checkbox"/> Health Expert	<input type="checkbox"/> Gender Expert	<input type="checkbox"/> Plastic Waste Expert
<input checked="" type="checkbox"/> SDG+	<input checked="" type="checkbox"/> Social no-harm(S+)	<input checked="" type="checkbox"/> Environment no-harm(E+)	<input type="checkbox"/> CCB Expert
<input checked="" type="checkbox"/> Financial Expert	<input checked="" type="checkbox"/> Local Expert for India		


in the following Technical Areas:

<input type="checkbox"/> TA 1.1	<input checked="" type="checkbox"/> TA 1.2	<input type="checkbox"/> TA 2.1	<input checked="" type="checkbox"/> TA 3.1	<input type="checkbox"/> TA 4.1
<input type="checkbox"/> TA 4. n	<input type="checkbox"/> TA 5.1	<input type="checkbox"/> TA 5.2	<input type="checkbox"/> TA 7.1	<input type="checkbox"/> TA 8.1
<input type="checkbox"/> TA 9.1	<input type="checkbox"/> TA 9.2	<input type="checkbox"/> TA 10.1	<input type="checkbox"/> TA 13.1	<input type="checkbox"/> TA 13.2
<input type="checkbox"/> TA 14.1	<input type="checkbox"/> TA 15.1			

Issue Date 1 st January 2023	Expiry Date 31 st December 2023
---	--



Mr. Vikash Kumar Singh
Compliance Officer



Mr. Amit Anand
CEO

CCIPL_FM 7.9 Certificate of Competency_V2.1_012023



Carbon Check (India) Private Limited

Certificate of Competency

Muhammet Ali ERDURAN

has been qualified as per CCIPL's internal qualification procedures in accordance with the requirements of CDM AS (V7.0), ISO/IEC 14065:2020, ISO/IEC 17029:2019 and other applicable GHG programs:

for the following functions and requirements:

- | | | | |
|---|---|--|---|
| <input type="checkbox"/> Validator | <input type="checkbox"/> Verifier | <input type="checkbox"/> Team Leader | <input type="checkbox"/> Technical Expert |
| <input type="checkbox"/> Technical Reviewer | <input type="checkbox"/> Health Expert | <input type="checkbox"/> Gender Expert | <input type="checkbox"/> Plastic Waste Expert |
| <input type="checkbox"/> SDG+ | <input type="checkbox"/> Social no-harm(S+) | <input type="checkbox"/> Environment no-harm(E+) | <input type="checkbox"/> CCB Expert |
| <input type="checkbox"/> Financial Expert | <input checked="" type="checkbox"/> Local Expert for Turkey | | |

in the following Technical Areas:

- | | | | | |
|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|
| <input type="checkbox"/> TA 1.1 | <input type="checkbox"/> TA 1.2 | <input type="checkbox"/> TA 2.1 | <input type="checkbox"/> TA 3.1 | <input type="checkbox"/> TA 4.1 |
| <input type="checkbox"/> TA 4. n | <input type="checkbox"/> TA 5.1 | <input type="checkbox"/> TA 5.2 | <input type="checkbox"/> TA 7.1 | <input type="checkbox"/> TA 8.1 |
| <input type="checkbox"/> TA 9.1 | <input type="checkbox"/> TA 9.2 | <input type="checkbox"/> TA 10.1 | <input type="checkbox"/> TA 13.1 | <input type="checkbox"/> TA 13.2 |
| <input type="checkbox"/> TA 14.1 | <input type="checkbox"/> TA 15.1 | | | |

Issue Date
03rd May 2023

Expiry Date
02nd May 2024

Mr. Vikash Kumar Singh
Compliance Officer

Mr. Amit Anand
CEO



Carbon Check (India) Private Limited

Certificate of Competency

Mr. Shivaji Chakraborty

has been qualified as per CCIPL's internal qualification procedures in accordance with the requirements of CDM AS (V7.0), ISO/IEC14065:2020, ISO/IEC 17029:2019 and other applicable GHG programs:

for the following functions and requirements:

- Validator
- Verifier
- Team Leader
- Technical Expert
- Technical Reviewer
- Health Expert
- Gender Expert
- Plastic Waste Expert
- SDG+
- Social no-harm(S+)
- Environment no-harm(E+)
- CCB Expert
- Financial Expert
- Local Expert for India

in the following Technical Areas:

- TA 1.1
- TA 1.2
- TA 2.1
- TA 3.1
- TA 4.1
- TA 4. n
- TA 5.1
- TA 5.2
- TA 7.1
- TA 8.1
- TA 9.1
- TA 9.2
- TA 10.1
- TA 13.1
- TA 13.2
- TA 14.1
- TA 15.1

Issue Date

1st January 2023

Expiry Date

31st December 2023

Mr. Vikash Kumar Singh
Compliance Officer

Mr. Amit Anand
CEO

Appendix 3. Document reviewed or referenced

No.	Author	Title	References to the document	Provider
1	Masfen İnşaat Enerji San. Ve Tic. A.Ş	PSF: PSF- MASFEN-3 Solar Bundle, V 03	Version 07, dated. 09/10/2023	Project Owner
2	Masfen İnşaat Enerji San. Ve Tic. A.Ş	Emission reduction calculation spread sheet	dated 01/06/2022	Project Owner
3	Ministry of Energy and Natural Resources	Acceptance Report for Metges Burdur SGES, Energy Electricity Generation Inc., Burdur	Dated 27/10/2021	Project Owner
4	Ministry of Energy and Natural Resources	Partial Acceptance Report for Gitaş-1 GES, AAB Energy Generation Agricultural Products Gıda Ins.San. Trade.Inc.	Dated 04/11/2021	Project Owner
5	Ministry of Energy and Natural Resources	Provision acceptance Report for Gitaş-1 Solar Power Plant and Metges Burdur	Dated 27/10/2021 04/11/2021	Project Owner
6	AAB Energy Generation Agricultural Products Gıda Construction Joint Stock Company	System Use Agreement for Gitaş-I GES (AAB Energy Generation Agricultural Products Gıda Construction Joint Stock Company)	Dated 21/10/2020	Project Owner
7	Metges Energy Electricity Generation Inc.	System Use Agreement for Metges Burdur GES (Metges Energy Electricity Generation Inc.)	Dated 15/10/2020	Project Owner
8	AAB Energy Generation Agricultural Products Gıda Construction Joint Stock Company	Connection Agreement for Gitaş-1 GES (AAB Energy Generation Agricultural Products Gıda Construction Joint Stock Company)	Dated 10/09/2020	Project Owner
9	Metges Energy Electricity Generation Inc.	Connection Agreement for Metges Burdur GES (Metges Energy Electricity Generation Inc.)	Dated 04/12/2018	Project Owner
10	AAB Energy Generation Agricultural Products Gıda Construction Joint Stock Company	EIA Decision report for the Gitaş-1 GES solar power plant	Dated 31/08/2020	Project Owner
11	Metges Energy Electricity Generation Inc.)	EIA Decision report for the Metges Burdur solar power plant	Dated 25/08/2020	Project Owner
12	Regulatory Information System, Presidency of the Republic of Türkiye	Measuring and Measuring Instruments Inspection Regulation		Publicly Available
13	Masfen İnşaat Enerji San. Ve Tic. A.Ş	Declaration document respect to green attributes/carbon offset	10/11/2023	Project Owner
14	Ministry of Energy and Natural	Operational and build margin values- 2020. https://enerji.gov.tr/Media/Dizin/EVCED/tr/%C3	Published date- 20/09/2022	Publicly Available

Project Verification Report

	Resources	%87evreVe%C4%B0klim/%C4%B0klimDe%C4%9Fi%C5%9Fikli%C4%9Fi/T%C3%BCrkiyeUlusalElektrik%C5%9EebekesiEmisyonFakt%C3%B6r%C3%BC/Belgeler/EK-2.pdf		
15	CC IPL	Onsite visit documents dated 14/04/2022		CC IPL
16	AAB Energy Generation Agricultural Products Gıda Construction Joint Stock Company	Letter of Authorization of Project Owners and Project Representatives (AAB Energy Generation Agricultural Products Gıda Construction Joint Stock Company.)	Version V1.1 12/04/2021	Project Owner
17	Metges Energy Electricity Generation Inc.	Letter of Authorization of Project Owners and Project Representatives (Metges Energy Electricity Generation Inc.)	Version V1.1 12/04/2021	Project Owner
18	T.R. The Ministry of Labor and Social Security SOCIAL SECURITY INSTITUTION GENERAL DIRECTORATE OF INSURANCE PREMIUMS	Social Safeguards documents related to employment	09/02/2022	Project Owner
19	T.R. Ministry of Energy and Subject Resources	Turkish National grid emission factors were published by T.R. Ministry of Energy and Subject Resources -2020 Document No: ETKB-EVÇED-FRM-039 Rev.00 Dated 20/09/2022	Published date- 20/09/2022	Project Owner
20	EPX T.C. Energy market	Production license License number- EU/8541-14/04223	18/04/2019	Project Owner
21	EPX T.C. Energy market	Production license License number- EU/8461-39/04197	07/03/2019	Project Owner
22	T.C. MINISTRY OF ENERGY AND NATURAL RESOURCES General Directorate of Energy Affairs	4- Gitaş -1 Power Plant Layout Plan		Project Owner
23	T.C. MINISTRY OF INDUSTRY AND TECHNOLOGY General Directorate of Industrial Zones	KONYA KARAPINAR ENERGY SPECIALIZED INDUSTRY REGION 1st PART MASTER ZONING PLAN	20/07/2018 approved date	Project Owner
24	T.C. MINISTRY OF INDUSTRY AND TECHNOLOGY General Directorate of Industrial Zones	Konya Karapınar Energy Specialization Industry Region I. Part I Implementation Zoning Plan PAFTA ADI M31D-02A-4A	20/07/2018 approved date	Project Owner
25	T.C. MINISTRY OF INDUSTRY AND TECHNOLOGY General Directorate	Konya Karapınar Energy Specialization Industry Region I. Part I Implementation Zoning Plan PAFTA ADI M31D-02A-4B	20/07/2018 approved date	Project Owner

Project Verification Report

	of Industrial Zones			
26	T.C. MINISTRY OF ENERGY AND NATURAL RESOURCES General Directorate of Energy Affairs	ONE LINE DIAGRAM	26/04/2019	Project Owner
27	T.C. MINISTRY OF ENERGY AND NATURAL RESOURCES General Directorate of Energy Affairs	POWER PLANT SINGLE LINE SCHEME	17/08/2021	Project Owner
28	MEDITERRANEAN ELECTRICITY DISTRIBUTION	METER AND MEASUREMENT CIRCUITS CONTROL SHEET (AAB Energy Generation Agricultural Products Gida Construction Joint Stock Company)	09/11/2020	Project Owner
29	MEDAS MERAM ELECTRIC DISTRIBUTION INC.	MEDAŞ MEASUREMENT CIRCUITS CONTROL AND REPLACEMENT REPORT Konya (AAB Energy Generation Agricultural Products Gida Construction Joint Stock Company)		Project Owner
30	Electrical and Electronic Equipment Industry and Twaret Joint Stock Company	Technical Features and Programming Information of Electronic Meters		Project Owner
31	MEDITERRANEAN ELECTRICITY DISTRIBUTION	METER AND MEASUREMENT CIRCUITS CONTROL SHEET (Metges Energy Electricity Generation Inc)	09/11/2020	Project Owner
32	MEDAS MERAM ELECTRIC DISTRIBUTION INC.	MEDAŞ MEASUREMENT CIRCUITS CONTROL AND REPLACEMENT REPORT Burdur(Metges Energy Electricity Generation Inc)		Project Owner
33	Alfa Solar Energy	Technical specifications of photovoltaic module (Konya AAB)		Project Owner
34	Sungrow	Technical specifications of Grid Connected PV Inverter		Project Owner
35	CW Energy	Technical Specifications of PERC Monocrystalline Solar Module		Project Owner
36	EPIAS Energy Market Management Inc.	Electricity Metering Source Settlement Notice (AAB Energy Generation Agricultural Products Gida Construction Joint Stock Company)	23/05/2022	Project Owner
37	EPIAS Energy Market Management Inc.	Electricity Metering Source Settlement Notice (Metges Energy Electricity Generation Inc)	23/05/2022	Project Owner
38	T.C Ministry of Treasury and Finance	Electricity Metering Source Konya Invoice (AAB Energy Generation Agricultural Products Gida Construction Joint Stock Company) Konya Invoice no: GIB2022000000010 Invoice date: 15/05/2022	Dated 23/05/2022	Project Owner
39	T.C Ministry of Treasury and	Electricity Metering Source Metges Burdur Invoice (Metges Energy	Dated 23/05/2022	Project Owner

Project Verification Report

	Finance	Electricity Generation Inc.) Invoice no: GIB202200000011 Invoice date: 16/05/2022		
40	Presidency of the Republic of Türkiye	MEASUREMENT AND MEASURING INSTRUMENTS INSPECTION REGULATION Date of Official Gazette: 24.07.1994 Number of Official Gazettes: 22000 https://www.mevzuat.gov.tr/mevzuat?MevzuatNo=6381&MevzuatTur=7&MevzuatTertip=5		Publicly available
41	iREC	International iREC Standard https://fotonplatform.com/santraller/		Publicly available
42	Gold Standard	Gold Standard Impact Registry https://registry.goldstandard.org/projects		Publicly available
43	VERRA	VERRA – VCS project registry https://registry.verra.org/app/search/VCS/All%20Projects		Publicly available
44	UNFCCC - CDM	CDM Project and PoA database https://cdm.unfccc.int/Projects/projsearch.html		Publicly available
45	Masfen İnşaat Enerji San. Ve Tic. A.Ş	Generation license for the Gitaş-1 and Metges Burdur		Project Owner
46	Presidency of the Republic of Turkey	Law on Utilization of Renewable Energy Resources for the Purpose of Generating Electricity Energy https://www.mevzuat.gov.tr/mevzuat?MevzuatNo=5346&MevzuatTur=1&MevzuatTertip=5	10/5/2005	Publicly available
47	Presidency of the Republic of Turkey	Electricity Market Law https://www.mevzuat.gov.tr/mevzuat?MevzuatNo=6446&MevzuatTur=1&MevzuatTertip=5	14/3/2013	Publicly available
48	Presidency of the Republic of Turkey	Environment Law https://www.mevzuat.gov.tr/mevzuat?MevzuatNo=2872&MevzuatTur=1&MevzuatTertip=5	26/4/2006	Publicly available
49	Ministry of Environment, Urbanization and Climate Change	EIA Regulation https://www.mevzuat.gov.tr/mevzuat?MevzuatNo=39647&MevzuatTur=7&MevzuatTertip=5	29.07.2022	Publicly available
50	Energy Market Regulatory Authority (EMRA)	Energy Efficiency Law www.mevzuat.gov.tr/mevzuat?MevzuatNo=5627&MevzuatTur=1&MevzuatTertip=5	18/4/2007	Publicly available
51	Presidency of the Republic of Türkiye	REGULATION ON THE CONTROL OF WASTE ELECTRICITY AND ELECTRONIC EQUIPMENT https://www.mevzuat.gov.tr/mevzuat?MevzuatNo=16159&MevzuatTur=7&MevzuatTertip=5		Publicly available
52	Presidency of the	REGULATION ON THE CONTROL OF	31.08.2004	Publicly

Project Verification Report

	Republic of Türkiye	WASTE BATTERIES AND ACCUMULATORS https://www.mevzuat.gov.tr/mevzuat?MevzuatNo=7118&MevzuatTur=7&MevzuatTertip=5		available
53	Masfen İnşaat Enerji San. Ve Tic. A.Ş	1. Hazardous waste records 2. Employment records		Project Owner
54	Presidency of the Republic of Türkiye	WASTE MANAGEMENT REGULATION https://www.mevzuat.gov.tr/mevzuat?MevzuatNo=20644&MevzuatTur=7&MevzuatTertip=5	02.04.2015	Publicly available
55	Directorate of Agriculture and Forestry of Burdur province	Use permit for non-agricultural purposes	13/07/2018	Project Owner
B01	GCC	1. GCC Project Standard, version 3.1 2. GCC Verification Standard, version 3.1 3. GCC Program Manual, version 3.1 4.Environment-and-Social-Safeguards Standard, version 2 5. Project-Sustainability-Standard, version 2		Others
B02	UNFCCC	CDM Methodology: AMS-I.D. "Grid connected renewable electricity generation" version 18.0		Others
B03	GCC	PSF template		Others
B04	UNFCCC	Methodological tool 32: Positive lists of Technologies, Version 03.0		Others
B05	UNFCCC	Methodological tool 07: Tool to calculate the emission factor for an electricity system, version 07		Others
B06	UNFCCC	Methodological tool 32: Positive lists of Technologies, Version 03.0		Others
B07	GCC	Clarification No. 01 Version V1.3 Clarification No. 02 Version V1.0		Others

A.1.1.2

Appendix 1. Clarification request, corrective action request and forward action request

Table 1. CLs from this Project Verification

CL ID	01	Section no.	D.3.6	Date: 25/04/2022
Description of CL				
<i>POis requested to provide the evidence for the Plant Load Factor (ratio of average energy supplied for a given time period) as stated in section B.6 of the PSF. Further, POis requested to provide evidence for the degradation of the solar PV modules. POis requested to justify why the degradation factor while estimating the emission reductions calculations in section B.6.3 and B.6.4 is not applied.</i>				
Project Owner's response				Date: 21/07/2022
<i>Since this is an A2 project, POhas performed their ER calculation based on the real data therefore, "Plant Load Factor" will not have an impact in the same. Further, the project activity is in the positive list and is auto additional, the PLF and degradation factor may not have and influence on additionality.</i>				
Documentation provided by the Project Owner				
GCC Emission Reduction Verifier's assessment				Date: 29/07/2022
The justification provided by POis found acceptable. Hence CL 01 is closed.				
CL	02	Section no.	D.3.7	Date: 25/04/2022
Description of CL				
<i>POis requested to provide the national regulation/standard with respect to calibration frequency of the energy meters.</i>				
Project Owner's response				Date: 21/07/2022
<i>National regulation/standard with respect to calibration frequency of the energy meters is provided.</i>				
Documentation provided by the Project Owner				
<i>Law about "Calibration Frequency – 6381"</i>				
GCC Emission Reduction Verifier's assessment				Date: 29/07/2022
POhas provided the supportive document regarding the calibration frequency. CL 02 is closed.				
CL	03	Section no.	D.5	Date: 25/04/2022
Description of CL				
<i>POhas mentioned in the section D.2 as EIA is done out of scope. POis requested to provide the legal/regulatory notification which has exempted the project activity from performing the EIA.</i>				
Project Owner's response				Date: 21/07/2022
<i>EIA report is not prepared for the project activity, since the project in Konya received EIA positive and the plant in Burdur is exempt from EIA. EIA documents are provided.</i>				
Documentation provided by the Project Owner				
<i>EIA documents with reference numbers E.32739 and E.6983</i>				
GCC Emission Reduction Verifier's assessment				Date: 29/07/2022
POhas submitted the supportive EIA documents for which Konya received EIA positive and the plant in Burdur is exempt from EIA. The documents found appropriate. Hence CL 03 is closed.				
CL	04	Section no.	D.10 / D.11	Date: 25/04/2022
Description of CL				
<i>POis requested to provide documents viz. legal requirement, monitoring records related to Environmental, social safeguards.</i>				
Project Owner's response				Date: 21/07/2022
<i>Social Security Records are provided to VVB for social safeguards. For environmental safeguards, parameters under the category "Land", there has not been any records of action, since it has been less than a year since commissioning.</i>				

Documentation provided by the Project Owner	
<i>Social Security Records</i>	
GCC Emission Reduction Verifier's assessment	Date: 29/07/2022
POhas provided the supportive documents regarding Environment and social safeguards. The documents found acceptable. Hence CL 04 is closed.	

CL ID	05	Section no.	D.10	Date: 25/04/2022
Description of CL				
<i>POhas not identified the following impacts;</i>				
<i>- land use pattern related to the project activity.</i>				
<i>- Hazardous wastes generation with respect to transformer oil replacement, oil-soaked cotton waste etc.</i>				
<i>- Water usage for module cleaning</i>				
Project Owner's response				Date: 21/07/2022
<i>There is no major impact in land use pattern in the project area and there was no agricultural activities prior to the project activity. The generation of transformer oil and related oil soaked cotton waste is not there as the substation is under the preview of the distribution company. Further, there is water is not used for module cleaning. They are also mentioned in section D.1. as well.</i>				
Documentation provided by the Project Owner				
GCC Emission Reduction Verifier's assessment				Date: 29/07/2022
<i>The justification provided by POis acceptable, hence CL 05 is closed.</i>				

CL ID	06	Section no.	D.6	Date: 25/04/2022
Description of CL				
<i>POis requested to provide supportive documents/evidences related to Local stakeholder consultation. Further, in section G.1 of the PSF the local stakeholder consultation date is not mentioned.</i>				
Project Owner's response				Date: 21/07/2022
<i>An official consultation meeting has not been done for the project activity as it is not required by law. However, casual meetings with the locals are done by the project staff. Forms and information sheets are provided to stakeholders, where they can write their comments. Sample forms have been presented in the PSF as well. Due to the culture of communication being verbal in the area, input mechanism is by talking, generally. Also, a logbook to keep inputs from the locals are left to the mukhtar's (village head) office along with all the contact details of the PP, for the continuous input process for the project.</i>				
Documentation provided by the Project Owner				
GCC Emission Reduction Verifier's assessment				Date: 29/07/2022
POhas performed consultation meeting with local stakeholders. The same is confirmed during the interviews with local stakeholders by the help of CCIPL local expert. The consultation meetings feedback forms also verified. Found okay. Hence, CL 06 is closed.				

CL ID	07	Section no.	D.6	Date: 25/05/2022
Description of CL				
<ol style="list-style-type: none"> <i>The project was commissioned on 27/10/2021, however, the stakeholder meetings were conducted from 02/02/2022 to 11/03/2022. POis requested to clarify how the comments of stakeholder were considered and addressed during the implementation phase of the project.</i> <i>POis also requested to clarify how the stakeholder has been invited for the meeting and how the requirements of the para 72, 73, and 74 of the instruction to fill the PSF is been complied.</i> 				
Project Owner's response				Date: 21/07/2022
<ol style="list-style-type: none"> <i>Since the projects were not required by law for environmental impact assessment (EIA), a meeting was not required during implementation. All permissions were obtained from required organizations. Unofficial meetings with the local people were done continuously since and during the implementation of the project, hence, all comments has been considered. The culture of communication in the area is verbal, hence, many comments are received verbally and noted. Projects are located in far from villages and on arid, infertile lands, there has not</i> 				

<p><i>been problems. Input from stakeholders are sought all the time. The sustainable development evaluation forms were delivered to the local people to have official inputs. So, receiving input from the local stakeholders and asking for input from them is a continuous process and is not limited by the dates provided.</i></p> <p>2. <i>For the local stakeholder consultation process, people in the nearby villages were contacted by the project staff. Phone calls were made to the stakeholders, as well as in-person invitations were given, in order to invite them to participate in the stakeholder consultation process. They were provided information on positive impacts of the project on environment, positive impacts on social, technical and non-technical information about the project as well as the SDG contributions.</i></p>	
Documentation provided by the Project Owner	
PSF version 04 dated 21/07/2022	
GCC Emission Reduction Verifier's assessment	Date: 29/07/2022
The justification and revisions made in PSF found acceptable. Hence CL 07 is closed.	

CL ID	08	Section no.	D.2	Date: 25/05/2022
Description of CL				
<p><i>During the remote audit it has been explained by the project representative that these projects (under 1 MW) not require a licence for its operation. However, for the project activity the capacity of individual project is more than 1 MW. So, POs requested to provide the licenses for the projects Gitaş-1 and Metges Burdur.</i></p>				
Project Owner's response				Date: 21/07/2022
<p><i>Gitaş-1 and Metges Burdur have their licences which has been sent along with supporting documents.</i></p>				
Documentation provided by the Project Owner				
<p><i>Generation licences with reference numbers :</i> <i>Gitaş-1 Konya : EÜ/8541-14/04223</i> <i>Metges Burdur : EÜ/8461-39/04197</i></p>				
GCC Emission Reduction Verifier's assessment				Date: 29/07/2022
POhas provided the licences Gitaş-1 and Metges Burdur and found okay. Hence CL 08 is closed.				

CL ID	09	Section no.	D.2	Date: 25/05/2022
Description of CL				
<p><i>POs requested to provide the following documents;</i></p> <ol style="list-style-type: none"> <i>1. Letter of authorization</i> <i>2. Legal ownership with respect to individual projects</i> <i>3. EPC contract/ purchase orders details submitted for the implementation of the project activity</i> <i>4. Technical specification of the panels and invertors</i> 				
Project Owner's response				Date: 21/07/2022
<ol style="list-style-type: none"> <i>1. Letter of authorization (LOA) is provided.</i> <i>2. Legal ownership with respect to individual projects are provided. Generation licence shows the ownerships. The section is marked with red rectangle for clarity.</i> <i>3. Agreements are highly confidential hence, they cannot be shared. Last pages of the agreements are shared only.</i> <i>4. Technical specification of the panels and inverters are provided in Section A.3. Weblinks to technical sheets of these equipment are also provided.</i> 				
Documentation provided by the Project Owner				
<p><i>Last pages of the panel agreements</i></p>				
GCC Emission Reduction Verifier's assessment				Date: 29/07/2022
The clarifications and supportive documents submitted is found acceptable. Hence CL 09 is closed.				

Table 2. CARs from this Project Verification

CAR ID	01	Section no.	D.2	Date: 25/04/2022
Description of CAR				

Project Verification Report

<ol style="list-style-type: none"> 1. The Section A.2. of the PSF is not in line with the instructions to complete the PSF; i.e. The description of the locations should not exceed one page. 2. Further, POIs requested to provide the geographical coordinates of the WTGs in degrees minutes seconds format too. 	
Project Owner's response	Date: 21/07/2022
<ol style="list-style-type: none"> 1. Section A.2 is revised according to instructions. 2. Geographical coordinates are provided both in minutes, seconds format. 	
Documentation provided by the Project Owner	
PSF version 04 dated 21/07/2022	
GCC Emission Reduction Verifier's assessment	Date: 29/07/2022
POhas revised the PSF, the revision found appropriate. Hence CAR 01 is closed.	

CAR ID	02	Section no.	D.2	Date: 27/03/2022
Description of CAR				
<ol style="list-style-type: none"> 1. The section A.3 of the PSF has not been completed complying to the PSF completing guidelines, the section A.3 doesn't cover details viz. inverter details, PLF, brief on monitoring (Monitoring equipment and their locations in the systems), Baseline scenario, Age and average lifetime of the equipment - based on the manufacturer's spec and industry std., and technology transfer (if applicable). 				
Project Owner's response				Date: 21/07/2022
Section A.3 is revised according to PSF completing guidelines.				
Documentation provided by the Project Owner				
PSF version 04 dated 21/07/2022				
GCC Emission Reduction Verifier's assessment				Date: 29/07/2022
POhas revised the PSF and found acceptable. Hence CAR 02 is closed.				

CAR ID	03	Section no.	D.13	Date: 25/04/2022
Description of CAR				
POIs requested to indicate the intended use of ACCs from the project activity in the section A.5 of the PSF. Further, POIs also requested to confirm that the project activity is not a part of any other compliance/voluntary carbon mechanism in the section A.5 of the PSF.				
Project Owner's response				Date: 21/07/2022
Intended use of ACCs is provided. The project activity is not a part of any other compliance/voluntary carbon mechanism, also mentioned in Section A.5.				
Documentation provided by the Project Owner				
PSF version 04 dated 21/07/2022				
GCC Emission Reduction Verifier's assessment				Date: 29/07/2022
POhas revised the PSF and found acceptable. Hence CAR 03 is closed.				

CAR ID	04	Section no.	D.14	Date: 25/04/2022
Description of CAR				
The POIs requested to demonstrate, how the project activity is meeting the corsia requirements under section A.6 of the PSF.				
Project Owner's response				Date: 30/05/2022
How the project activity is meeting the corsia requirements are provided under section A.6 of the PSF				
Documentation provided by the Project Owner				
PSF version 04 dated 21/07/2022				
GCC Emission Reduction Verifier's assessment				Date: 30/05/2022
POhas revised the PSF and found acceptable. Hence CAR 04 is closed.				

CAR ID	05	Section no.	D.3.1	Date: 25/04/2022
Description of CAR				

<i>POIs requested to provide the justification in section B.2 of the PSF with respect to the application of positive list tool for the project activity under the clarification 02 of the GCC for better clarity.</i>	
Project Owner's response	Date: 21/07/2022
<i>Justification is provided in section B.2 of the PSF with respect to the application of positive list tool for the project activity under the clarification 02 of the GCC.</i>	
Documentation provided by the Project Owner	
<i>PSF version 04 dated 21/07/2022</i>	
GCC Emission Reduction Verifier's assessment	Date: 29/07/2022
<i>POhas revised the PSF and found acceptable. Hence CAR 05 is closed.</i>	

CAR ID	06	Section no.	D.3.3	Date: 25/04/2022
Description of CAR				
<i>POhas provided the flow diagram in section B.3 of the PSF. However, the flow diagram is not covering the monitoring/metering point(s).</i>				
Project Owner's response				Date: 21/07/2022
<i>Flow diagram is revised to cover metering points.</i>				
Documentation provided by the Project Owner				
<i>PSF version 04 dated 21/07/2022</i>				
GCC Emission Reduction Verifier's assessment				Date: 29/07/2022
<i>POhas revised the PSF and found acceptable. Hence CAR 06 is closed.</i>				

CAR ID	07	Section no.	D.3.6	Date: 25/04/2022
Description of CAR				
<i>The section B.6.1. of the PSF is not as per the para 36 & 37 of the instructions to complete the PSF. POIs required to explain how the tool to calculate the emission factor for the electrical system has been applied to derive the emission factor for Turkish Nation grid. Therefore, POIs requested to demonstrate how the step has been applied in the section B.6.1 of the PSF.</i>				
Project Owner's response				Date: 21/07/2022
<i>Section B.6.1 is revised as per para 36 & 37 of instructions. Emission factor calculations are explained with related references.</i>				
Documentation provided by the Project Owner				
<i>PSF version 04 dated 21/07/2022</i>				
GCC Emission Reduction Verifier's assessment				Date: 29/07/2022
<i>Clarification provided by POIs found acceptable. Hence CAR 07 is closed.</i>				

CAR ID	08	Section no.	D.3.7	Date: 25/04/2022
Description of CAR				
<ol style="list-style-type: none"> 1. POIs requested to provide the title and version of the methodology reference in the Data / Parameter Table of section B.6.2. and B.7.1. 2. The data and parameter table for the parameter $EF_{grid,CM,y}$, the explanation for measured/calculated/default is not provided. 3. Further the section measurement, monitoring, equipment section is not inline. The co-efficient reference is not correctly mentioned. 				
Project Owner's response				Date: 21/07/2022
<ol style="list-style-type: none"> 1. Title and version of the methodology reference in the Data / Parameter Table of section B.6.2. and B.7.1 are provided. 2. The data and parameter table for the parameter $EF_{grid,CM,y}$, the explanation for measured/calculated/default is revised and provided. 3. Section is revised. 				
Documentation provided by the Project Owner				
<i>PSF version 04 dated 21/07/2022</i>				
GCC Emission Reduction Verifier's assessment				Date: 29/07/2022

<i>POhas revised the PSF and found acceptable. Hence CAR 08 is closed.</i>			
CAR ID	09	Section no.	D.3.7
Description of CAR			Date: 25/04/2022
<ol style="list-style-type: none"> <i>The data parameter CO2 of section states that the same is a calculated value. However, measuring/reading/recoding is mentioned as continuous reading and monthly recording. Further, the calculation method mentioned for the parameter seems incorrect.</i> <i>The information provided for the section 'Measurement/Monitoring/equipment' of data parameter Quantitative Employment, seems not appropriate.</i> <i>The information for the section data unit of parameter Solid Waste Pollution from E-wastes and Batteries is not provided. Further, the information provided for the sections "Source of data" and 'Value(s) of monitored parameter', seems not appropriate</i> 			
Project Owner's response			Date: 21/07/2022
<ol style="list-style-type: none"> <i>Data parameter CO₂ is revised.</i> <i>Data parameter Quantitative Employment is revised.</i> <i>Since the legal requirements are complied with and required mitigations are done, it is classified as "harmless" as per PSF explanation as follows : "If social impacts are anticipated, but are expected to be in compliance with applicable national regulatory requirements/ legal limits, then it the Project Activity is unlikely to cause any harm (is safe) and shall be indicated as Harmless (No actions required)"</i> 			
Documentation provided by the Project Owner			
<i>PSF version 04 dated 21/07/2022</i>			
GCC Emission Reduction Verifier's assessment			Date: 29/07/2022
<i>POhas revised the PSF and found acceptable. Hence CAR 09 is closed.</i>			
CAR ID	10	Section no.	D.3.7
Description of CAR			Date: 25/05/2022
<i>Monitoring process may be more detailed covering the connection points, document references, remote/online monitoring system and the utility associated for the sale of electricity generation, which has been explained during the remote site visit.</i>			
Project Owner's response			Date: 21/07/2022
<i>Connection points are included in section B.7.4. System use agreement and connection agreement is mentioned. Utility (meters) are explained in detail.</i>			
Documentation provided by the Project Owner			
<i>PSF version 04 dated 21/07/2022</i>			
GCC Emission Reduction Verifier's assessment			Date: 29/07/2022
<i>POhas revised the PSF and found acceptable. Hence CAR 10 is closed.</i>			
CAR ID	11	Section no.	D.5
Description of CAR			Date: 25/04/2022
<i>The section D.1 of the PSF is not in line with the para 61 of instructions to complete the PSF. POis requested to provide summary of environmental impact analysis in the section D.1 of the PSF. Further, a brief on mitigation requirements identified during the operation with respect to the identified impacts may be provided in section D.2 of the PSF.</i>			
Project Owner's response			Date: 21/07/2022
<i>For section D.1. : Summary of environmental impacts are provided in section D.1.</i>			
<i>For section D.2. : As per PSF filling instructions para 63 : "If an environmental impact assessment is carried out in accordance with the applicable provisions of host country requirements, provide conclusions and references to all related documentation. If an environmental impact assessment is not carried out, indicate "Not applicable" and provide a justification."</i>			
<i>An official required by law EIA is not carried out for this project since it is not required by law.</i>			
Documentation provided by the Project Owner			
<i>PSF version 04 dated 21/07/2022</i>			
GCC Emission Reduction Verifier's assessment			Date: 29/07/2022

<i>POhas revised the PSF and found acceptable. Hence CAR 11 is closed.</i>				
CAR ID	12	Section no.	D.10	Date: 25/04/2022
Description of CAR				
<i>POhas identified e-waste and battery as harmless while performing the Do-No-Harm analysis. However, POhas identified the monitoring parameter Solid Waste Pollution from E-wastes and Batteries in section B.7.1 of the PSF. POis requested to demonstrate how the same is categorized as harmless. Further, POis requested to provide the legal limits w.r.t. e-waste and battery.</i>				
Project Owner's response				Date: 21/07/2022
<i>Since the project complies with the legal requirements and required mitigations are done, as per GCC rules, it is "harmless".</i>				
<i>In the PSF : "If environmental impacts are anticipated, but are expected to be in compliance with applicable national regulatory requirements/ below the legal limits, then the Project Activity is unlikely to cause any harm (is safe) and shall be indicated as Harmless (No actions required)"</i>				
Documentation provided by the Project Owner				
GCC Emission Reduction Verifier's assessment				Date: 29/07/2022
<i>The clarification provided by POis found acceptable. Hence CAR 12 is closed.</i>				
CAR ID	13	Section no.	D.11	Date: 25/04/2022
Description of CAR				
<i>POhas identified Legal requirement/Limit for the aspects 'Long-term jobs (> 1 year) created/ lost' for the project activity. However, the legal requirement/ limit is not clearly mentioned in the PSF.</i>				
Project Owner's response				Date: 21/07/2022
<i>There is no legal requirement/limit for this parameter. Same is mentioned in E.2</i>				
Documentation provided by the Project Owner				
GCC Emission Reduction Verifier's assessment				Date: 29/07/2022
<i>The clarification provided by POis found acceptable. Hence CAR 13 is closed.</i>				
CAR ID	14	Section no.	D.12	Date: 25/04/2022
Description of CAR				
<i>The POis requested to provide credible evidences w.r.t. the monitoring of SDG 7,8,9 and 13</i>				
Project Owner's response				Date: 21/07/2022
<i>Evidences are provided along with supporting documents.</i>				
Documentation provided by the Project Owner				
<i>1. Plant commissioning documents and social security records, showing employees</i>				
GCC Emission Reduction Verifier's assessment				Date: 29/07/2022
<i>The supportive documents provided by POis found acceptable. Hence CAR 14 is closed.</i>				
CAR ID	15	Section no.	D.3.6	Date: 25/05/2022
Description of CAR				
<i>The website link provided in the ER sheet as the reference for Emission factor as well as PSF footnote 14, 15 & 16 is not accessible. POis requested to provide the correct weblink in the above mentioned documents.</i>				
Project Owner's response				Date: 21/07/2022
<i>Emission factor reference website might be unaccessible due to different language. The PDF version of this weblink is provided.</i>				
Documentation provided by the Project Owner				
<i>PDF version of Emission Factor reference</i>				
GCC Emission Reduction Verifier's assessment				Date: 29/07/2022
<i>The documents provided by POand the justification is found acceptable. Hence CAR 15 is closed.</i>				

Project Verification Report

CAR ID	16	Section no.	D.4	Date: 25/05/2022
Description of CAR				
<i>PO has selected the provisional acceptance date as the start date of the project activity. PO is requested to justify how the provisional acceptance date is appropriate for the start date of the project activity.</i>				
Project Owner's response				Date: 21/07/2022
<i>Provisional acceptance documents show the commissioning of the plants. It is the document that shows the date which the plant starts operation.</i>				
Documentation provided by the Project Owner				
<i>Commissioning documents (provisional acceptances)</i>				
GCC Emission Reduction Verifier's assessment				Date: 29/07/2022
<i>The documents provided by PO and the justification is found acceptable. Hence CAR 16 is closed.</i>				

CAR ID	17	Section no.	D.8/D.4	Date: 10/09/2023
Description of CAR				
<ol style="list-style-type: none"> 1. In section A of the PSF, it is mentioned that on generation license is on the name of parent company- masfen. Please note that Legal owner is an entity which has the legal ownership of the project as per the host country's legal and regulatory compliance such as licenses, approvals etc. However, Masfen is not identified as legal owner in the LOA. 2. please correct the end date of crediting period. 				
Project Owner's response				Date: 18/09/2023
<ol style="list-style-type: none"> 1. The explanation in Section A.1 has been removed to eliminate confusion. 2. Crediting period end date has been revised on page 43. 				
Documentation provided by the Project Owner				
GCC Emission Reduction Verifier's assessment				Date: 18/09/2023
PO has revised section A.1 and corrected the crediting period in the PSF. The same found to be appropriate. Hence, CAR 17 is closed.				

CAR ID	18	Section no.	D.10/D.11	Date: 10/09/2023
Description of CAR				
<ol style="list-style-type: none"> 1. The net score of the social safeguard is "+1". Project owner is requested to identify few more social parameters as if the project fails to justify or monitor the parameter, the net score will become zero and project might lose Corsia label. For indicative list of applicable social parameters, kindly refer to Appendix 01 of Environment and Social Safeguards Standard (version 3.0) 2. The target indicator is not appropriately selected. Project owner is requested to review the Project-level Targets/ Actions, Project level Indicators, Contribution of Project level Actions to SDG Targets. Since the SDG targets employment generation, kindly consider the applicability of target indicator 8.5. 				
Project Owner's response				Date: 18/09/2023
<ol style="list-style-type: none"> 1. E.2 has been revised. 2. Target 8.8 has been revised to Target 8.5 in Section F and page 11 of the PSF. 				
Documentation provided by the Project Owner				
GCC Emission Reduction Verifier's assessment				Date: 18/09/2023

PO has revised section E.2 and updated the SDG target throughout the PSF. The same found to be appropriate. Hence, CAR 18 is closed.
--

CAR ID	19	Section no.	D.2	Date: 10/09/2023
Description of CAR				
GCC Verifier is requested to confirm either from PPA/Other relevant document or NOC from electricity buyer that the legal ownership of the green attributes/carbon credits lies with project owner only and there will not be any claim with respect to green attributes/carbon offset will be claimed by electricity buyer under any scheme or program. In case ownership of carbon credits generated from Project Activity is not clearly defined in any of the above-mentioned documents, GCC Verifier has to request the Legal Owner to fill and sign the attached Declaration Form in their letter head.				
Project Owner's response				Date: 18/09/2023
Declaration Form from the legal owner is provided.				
Documentation provided by the Project Owner				
GCC Emission Reduction Verifier's assessment				Date: 18/09/2023
Legal ownership of the green attributes/carbon credits lies with project owner only and there will not be any claim with respect to green attributes/carbon offset will be claimed by electricity buyer under any scheme or program. The same is confirmed from the declaration from the legal owner's letter head. Hence, CAR 19 is closed.				

Table 3. FARs from this Project Verification

FAR ID	01	Section no.	D.13/D.14	Date: 29/06/2022
Description of FAR				
The ER Verifier should certify CORSIA Label (C+) after 31 Dec 2020. Project activity should demonstrate the compliance to CORSIA requirements for the credits claimed beyond 31 December 2020 with respect to double counting and HCLOA requirements and future CORSIA requirements applicable time to time for the project activity. Once the Host Country Authorization is provided later, this can be verified in first or subsequent verifications.				
Project Owner's response				Date: DD/MM/YYYY
Documentation provided by Project Owner				
GCC Project Verifier assessment				Date: DD/MM/YYYY

DOCUMENT HISTORY

Version	Date	Comment
V 3.1	31/12/2020	<ul style="list-style-type: none"> ▪ The name of GCC Program’s emission units has been changed from “Approved Carbon Reductions” or ACRs to “Approved Carbon Credits” or ACCs.
V 3.0	23/08/2020	<ul style="list-style-type: none"> ▪ Revised version released on approval by the Steering Committee as per the GCC Program Process; ▪ Revised version contains the following changes: <ul style="list-style-type: none"> ○ Change of name from Global Carbon Trust (GCT) to Global Carbon Council (GCC); ○ Considered and addressed comments raised by the Steering Committee: <ul style="list-style-type: none"> ➤ during physical meeting (SCM 01, dated 29 Oct 2019, Doha Qatar); and ➤ electronic consultations EC01-Round 04 (17.08.2020 – 22.08.2020). ▪ Feedback from the Technical Advisory Board (TAB) of ICAO on GCC submissions for approval under CORSIA¹⁶;
V 2.0	25/06/2019	<ul style="list-style-type: none"> ▪ Revised version released for approval by the GCC Steering Committee. ▪ This version contains details and information to be provided, consequent to the latest worldwide developments (e.g., CORSIA EUC).
v1.0	01/11/2016	<ul style="list-style-type: none"> ▪ Initial version released for approval by the GCC Steering Committee under GCC Program Version 1

¹⁶See ICAO recommendation for conditional approval of GCC at https://www.icao.int/environmental-protection/CORSIA/Documents/TAB/Excerpt_TAB_Report_Jan_2020_final.pdf

المجلس العالمي للبصمة الكربونية
GLOBAL CARBON COUNCIL

A member of

