



Driving Climate Actions

Project Verification Report

V3.1 - 2020

CONTENTS

COVER PAGE	5
1. PROJECT VERIFICATION REPORT	10
<u>SECTION A. EXECUTIVE SUMMARY</u>	<u>10</u>
<u>SECTION B. PROJECT VERIFICATION TEAM, TECHNICAL REVIEWER AND APPROVER</u>	<u>13</u>
<u>B.1. PROJECT VERIFICATION TEAM</u>	<u>13</u>
<u>B.2. TECHNICAL REVIEWER AND APPROVER OF THE PROJECT VERIFICATION REPORT</u>	<u>13</u>
<u>SECTION C. MEANS OF PROJECT VERIFICATION</u>	<u>13</u>
<u>C.1. DESK/DOCUMENT REVIEW</u>	<u>13</u>
<u>C.2. ON-SITE INSPECTION</u>	<u>14</u>
<u>C.3. INTERVIEWS</u>	<u>14</u>
<u>C.4. SAMPLING APPROACH</u>	<u>16</u>
<u>C.5. CLARIFICATION REQUEST (CLS), CORRECTIVE ACTION REQUEST (CARS) AND FORWARD ACTION REQUEST (FARS) RAISED</u>	<u>16</u>
<u>SECTION D. PROJECT VERIFICATION FINDINGS</u>	<u>17</u>
<u>D.1. IDENTIFICATION AND ELIGIBILITY OF PROJECT TYPE</u>	<u>17</u>
<u>D.2. GENERAL DESCRIPTION OF PROJECT ACTIVITY</u>	<u>19</u>
<u>D.3. APPLICATION AND SELECTION OF METHODOLOGIES AND STANDARDIZED BASELINES</u>	<u>21</u>
D.3.1 APPLICATION OF METHODOLOGY AND STANDARDIZED BASELINES	22
D.3.2 CLARIFICATION ON APPLICABILITY OF METHODOLOGY, TOOL AND/OR STANDARDIZED BASELINE	31
D.3.3 PROJECT BOUNDARY, SOURCES AND GHGS	31
D.3.4 BASELINE SCENARIO	32
D.3.5 DEMONSTRATION OF ADDITIONALITY	33
D.3.6 ESTIMATION OF EMISSION REDUCTIONS OR NET ANTHROPOGENIC REMOVAL	44
D.3.7 MONITORING PLAN	46

D.4.	<u>START DATE, CREDITING PERIOD AND DURATION</u>	50
D.5.	<u>ENVIRONMENTAL IMPACTS</u>	50
D.6.	<u>LOCAL STAKEHOLDER CONSULTATION</u>	51
D.7.	<u>APPROVAL AND AUTHORIZATION- HOST COUNTRY CLEARANCE</u>	51
D.8.	<u>PROJECT OWNER- IDENTIFICATION AND COMMUNICATION</u>	51
D.9.	<u>GLOBAL STAKEHOLDER CONSULTATION</u>	52
D.10.	<u>ENVIRONMENTAL SAFEGUARDS (E+)</u>	52
D.11.	<u>SOCIAL SAFEGUARDS (S+)</u>	56
D.12.	<u>SUSTAINABLE DEVELOPMENT GOALS (SDG+)</u>	57
D.13.	<u>AUTHORIZATION ON DOUBLE COUNTING FROM HOST COUNTRY (FOR CORSIA)</u> <u>58</u>	
D.14.	<u>CORSIA ELIGIBILITY (C+)</u>	58
	<u>SECTION E. INTERNAL QUALITY CONTROL</u>	59
	<u>SECTION F. PROJECT VERIFICATION OPINION</u>	59
Appendix 1.	Abbreviations	61
Appendix 2.	Competence of team members and technical reviewers	62
Appendix 3.	Document reviewed or referenced	65
Appendix 4.	Clarification request, corrective action request and forward action request	71

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 Ltd. /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 <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	Scope 1 - Energy industries (renewable / non-renewable sources)
Validity of GCC approval of Verifier	15/04/2019 to 01/06/2024
Title, completion date, and Version number of the PSF to which this report applies	Baotou Hongnijing 40MW Solar Power Project Version 8.0 14/11/2023
Title of the project activity	Baotou Hongnijing 40MW Solar Power Project
Project submission reference no. (as provided by GCC Program during GSC)	S00607
Eligible GCC Project Type² as per the Project Standard (Tick applicable project type)	<input checked="" type="checkbox"/> Type A: <input type="checkbox"/> Type A1 <input checked="" type="checkbox"/> Type A2

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

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

	<input checked="" type="checkbox"/> Sub-Type 1 <input type="checkbox"/> Sub-Type 2 <input type="checkbox"/> Sub-Type 3 <input type="checkbox"/> Sub-Type 4 <input type="checkbox"/> Type B – De-registered CDM Projects: <input type="checkbox"/> Type B1 <input type="checkbox"/> Type ³ B2
Date of completion of Local stakeholder consultation	21/11/2016
Date of completion and period of Global stakeholder consultation. Have the GSC comments been verified. Provide web-link.	Date of Completion: 04/12/2022 20/11/2022 – 04/12/2022 No comments were received.
Name of Entity requesting verification service (can be Project Owners themselves or any Entity having authorization of Project Owners)	China Onecarbon Co., Ltd
Contact details of the representative of the Entity, requesting verification service (Focal Point assigned for all communications)	Siyuan LIU China Onecarbon Co., Ltd 1C, unit 10, building 9, shuixianyuan, Tongzhou District, Beijing, P.R.China Email: 437213329@qq.com
Country where project is located	P.R.China
GPS coordinates of the Project site(s)	Latitude: 41°21'04"N Longitude: 109°50'38"E Decimal Format: Latitude: 41.3510 ° N


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

	Longitude: 109.8438 ° E
Applied methodologies (approved methodologies of GCC or CDM can be used)	ACM0002 Grid-connected electricity generation from renewable sources (Version 21.0)
GHG Sectoral scopes linked to the applied methodologies	Scope 1 - Energy industries (renewable / non-renewable sources)
Project Verification Criteria: Mandatory requirements to be assessed	<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)
Project Verification Criteria: Optional requirements to be assessed	<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
Project Verifier's Confirmation: The <i>GCC Project Verifier</i> has verified the GCC project activity and therefore confirms the following:	<p>The GCC Project Verifier Carbon Check (India) Private Ltd, certifies the following with respect to the GCC Project Activity Baotou Hongnijing 40MW Solar Power Project.</p> <input checked="" type="checkbox"/> The Project Owner has correctly described the Project Activity in the Project Submission Form (version 08, dated 14/11/2023) including the applicability of the approved methodology CDM

	<p>Methodology ACM0002 Grid-connected electricity generation from renewable sources (Version 21.0) and meets the methodology applicability conditions and is expected to achieve the forecasted real 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.</p> <p><input checked="" type="checkbox"/> The Project Activity is likely to generate GHG emission reductions amounting to the estimated 536,980 tCO_{2e} for the entire crediting period of 10 years, 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.</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 Sustainability 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 23-25, 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>
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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.

Project Verification Report

	<input checked="" type="checkbox"/> The Project Activity complies with all the applicable GCC rules ⁵ and therefore recommends GCC Program to register the Project activity with above mentioned labels.
Project Verification Report, reference number and date of approval	CCIPL1380/GCC/VAL/BHSP/20230116 Project Verification Report, Version 1.0 Date: 16/11/2023
Name of the authorised personnel of GCC Project Verifier and his/her signature with date	 Vikash Kumar Singh, Compliance Officer Dated: 16/11/2023

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>

1. PROJECT VERIFICATION REPORT

Section A. Executive summary

>>

China One Carbon Co. Ltd has appointed the Project Verifier, Carbon Check (India) Private Ltd., to perform an independent project verification of the Project “Baotou Hongnijing 40MW Solar Power Project (hereafter referred to as “project activity”). This report summarizes the findings of verification of the project, performed based on 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. China One Carbon Co. Ltd has been authorized by Baotou Power Generation Branch of Inner Mongolia Energy Power Generation Investment Group Co., Ltd, has developed and owns the “Baotou Hongnijing 40MW Solar Power Project”.

The project activity is about installation and operation of solar power plant in the Hongnijing Township, Guyang County, Baotou City, Inner Mongolia Autonomous Region of China which is invested and operated by Baotou Power Generation Branch of Inner Mongolia Energy Power Generation Investment Group Co., Ltd. The project involves installation and operation 20 PV power generation arrays with total capacity of 40 MW AC. The project activity is a green field project at site where no renewable power plant was operating prior to the implementation of the project activity. The aim of the project activity is to generate electricity from solar energy, which is a primary source of renewable energy, thus leads to generation of clean energy. This generated electricity is then supplied to North China Power Grid (NCPG) thus displaces the electricity which could have been generated from a carbon intensive fossil fuel-based power plants in the grid.

The project has already commissioned on 13/06/2017 and will generate emission reduction by generating the clean electricity from the solar energy and feed into North China Power Grid (NCPG). The average annual electricity supplied to grid will be of 64,940 MWh and the translating into emission reductions of around 53,698 tCO₂eq per year and 536,980 tCO₂e during the fixed 10-year crediting period.

The project also contributes to Environmental No-net-harm Label (E+), Social No-net-harm Label (S+) and 3 United Nations Sustainable Development Goals (SDG+).

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 Hongnijing Township, Guyang County, Baotou City, Inner Mongolia Autonomous Region of China.

Scope of the GCC 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.

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 participant.

Verification Process

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

CC IPL employed the following GCC Project Verification (termed as “Project Verification” as per GCC) 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 GCC 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 GCC 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 GCC Project Verification Plan:

The Audit Team formally documented its GCC Project Verification plan as well as determined the data-sampling plan. The GCC Project Verification plan was developed based on discussion of key elements of the GCC 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 GCC 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 GCC Project Verification.

It also provides an outline of the GCC Project Verification process and established project deliverables. This GCC 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.

Project Verification Report

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.
 - Cross checks between information provided in the PSF /01/ and ER sheet/02/ and information from sources with all necessary means without limitations to the information provided by the project participant.
- II. Follow-up interviews with project stakeholders
 - Interviews with relevant stakeholders in host country with personnel having knowledge of 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 CCIPL and the PO. The team assigned to the GCC Project Verification meets the CCIPL's internal procedures including the GCC requirements for the team composition and competence. The GCC Project Verification team has conducted a thorough contract review as per GCC and CCIPL'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 from the verification and all the raised findings are successfully resolved by the project owner. Hence confirms 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 (onsite audit and interviews) have provided CCIPL with sufficient evidence to determine the fulfilment of stated criteria.

CC IPL is of the opinion that the project activity "Baotou Hongnijing 40MW Solar Power Project" in P.R.China as described in the final PSF (Version 08, dated 14/11/2023) /1/ meets all relevant requirements of GCC and has correctly applied the CDM baseline and monitoring methodology 'ACM0002: "Grid-connected electricity generation from renewable sources" (Version 21.0) ;/B02/. The review of the PSF, supporting documentation and subsequent follow-up actions (onsite audit and interviews) have provided CCIPL 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 23-25, 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". Hence the project is being recommended to GCC Steering Committee for request for registration.

Section B. Project Verification team, technical reviewer and approver

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B.1. Project Verification team

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)	Involvement in			
						Desk/document review	On-site inspection	Interviews	Project Verification findings
1.	Team Leader /Technical Expert	IR	Mathew	Vijay	CC IPL	Y	Y	Y	Y
2.	Financial Expert	IR	Mathew	Vijay	CC IPL	Y	Y	Y	Y
3.	E+, S+, SDG	IR	Mathew	Vijay	CC IPL	Y	Y	Y	Y
4.	Trainee Assessor/Team Member	IR	A L	Hariprasath	CC IPL	Y	Y	Y	Y
5.	Local Expert	ER	Shen	Nara	CC IPL	Y	Y	Y	Y

B.2. 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.	Financial Expert	ER	Chakraborty	Shivaji	CC IPL
3.	Approver	IR	Singh	Vikash Kumar	CC IPL

Section C. Means of Project Verification

C.1. Desk/document review

>> The project verification was performed primarily as a document review of the initial PSF version 02 dated 14/10/2022/01/ and revised final PSF version 08 dated 14/11/2023/01/. The project 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

C.2. On-site inspection

Duration of on-site inspection: 26/06/2023				
No.	Activity performed on-site	Site location	Date	Team member
1.	<p>Discussions and review of:</p> <ul style="list-style-type: none"> • Project Design • Project Technology • Project boundary • Applicability of CDM methodology • Environmental Management Plan/ EIA • Local stakeholders meeting process • Management structure with Roles and Responsibilities • Project implementation schedule • Pre project (existing) scenario to meet the energy (heat and electricity) demand. • Monitoring Plan • Socio-economic Impacts of the project activity • Sustainability aspects of the project (SDGs) • Baseline Scenarios and alternatives • Project additionality • Emission reduction calculations <p>Assessment of E+, S+, SDG+ and CORSIA aspects as per the PSF, and GCC requirements, Authorization on Double Counting from Host Country, the legal ownership of the project and GCC requirements.</p>	Hongnijing Township, Guyang County, Baotou City, Inner Mongolia Autonomous Region of China.	26/06/2023	<p>Vijay Mathew – Team Leader/Technical Expert</p> <p>Hariprasath A L – Trainee Assessor</p> <p>Nara Shen – Local Expert</p>

C.3. Interviews

Project Verification Report

No.	Interview			Date	Subject	Team member
	Last name	First name	Affiliation			
1.		Heyong	Site Manager	26/06/2023	Project Description, Baseline identification, Project Boundary. project financing, Additionality, Baseline Calculation, Regulatory	Vijay Mathew – Team Leader/Technical Expert
2.	Gang	Wangming	Beijing OneCarbon			
3.		Lijimsong	Beijing OneCarbon			Hariprasath A L– Trainee Assessor
4.	Cheng	Tonydian	Local Villager			Nara Shen – Local Expert
5.	Menglong	Li	Local Villagers			
6.	Chunyan	Zhao	Local Villager			

7.	Long	HanYu	Local Villager		<p>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 status, Double counting of the carbon credits of the project activity, E+, S+, SDG+ and CORSIA aspects as per the PSF and GCC requirements Environment and social net harm, Do-no-harm analysis etc. The legal ownership of the project and the focal point relationship and ownership of ACC.</p>
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C.4. Sampling approach

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No sampling approach is used for this project verification process.

C.5. 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	CL 09		
General description of project activity	A ₁ , A ₂ , B ₁ , B ₂	CL 02	CAR 01	
Application and selection of methodologies and standardized baselines	A ₁ , A ₂ , B ₁ , B ₂			
- Application of methodologies and standardized baselines	A ₁ , A ₂ , B ₁ , B ₂	CL 01	CAR 04	
- 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			
- Baseline scenario	A ₁ , A ₂ , B ₁ , B ₂		CAR 05	
- Demonstration of additionality including the Legal Requirements test	A ₁ , A ₂ , B ₁ , B ₂	CL 07 CL 08		
- Estimation of emission reductions or net anthropogenic removals	A ₁ , A ₂ , B ₁ , B ₂		CAR 06 CAR 07	
- Monitoring plan	A ₁ , A ₂ , B ₁ , B ₂	CL 05	CAR 08	
Start date, crediting period and duration	A ₁ , A ₂ , B ₁ , B ₂		CAR 09	
Environmental impacts	A ₁ , A ₂ , B ₁ , B ₂			
Local stakeholder consultation	A ₁ , A ₂ , B ₁	CL 04		
Approval & Authorization- Host Country Clearance	A ₁ , A ₂ , B ₁ , B ₂			
Project Owner- Identification and communication	A ₁ , A ₂ , B ₁ , B ₂	CL 02	CAR 02	
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		CAR 10 CAR 11	
Social Safeguards (S ⁺)	A ₁ , A ₂ , B ₁	CL 03	CAR 10 CAR 11	
Sustainable development Goals (SDG ⁺)	A ₁ , A ₂ , B ₁	CL 06	CAR 10 CAR 11 CAR 12	
Authorization on Double Counting from Host Country (only for CORSIA)	A ₁ , A ₂ , B ₁		CAR 03	FAR 01
CORSIA Eligibility (C ⁺)			CAR 03	FAR 01
Total		09	12	01

Section D. Project Verification findings

D.1. Identification and eligibility of project type

Means of Project Verification	Desk review and Interviews		
Findings	CL 09 were raised, and finding is closed. Please refer to Appendix 4 for further details.		
Conclusion	The GCC Project Verification team reviewed the PSF /1/ and confirms that the Project Owner determines the type of proposed GCC project activity as follows.		
	Parameters	Project Position	Verified Documents

	<p>Type of Project</p>	<p>Type A2, Subtype 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. Sub-type 1 includes existing operational projects, not submitted to any GHG Program, which have started operations after 1 January 2016 As per paragraph 3(c)(iv) of section 2 of the Clarification No.1 (v1.3), it states that The deadline for the submission of A2 projects has been extended. As per the clarification, A2 type project are required to make initial submission to GCC Program, for uploading for global stakeholder consultation, prior to 5 July 2022 (new requirement). As per paragraph 4 of the section 7 of the Clarification No. 04 (V1.0), As per section 6 of the Clarification No.1 v1.2, Project Owner(s) wishing to register A2 projects shall submit a complete initial submission to GCC Program before July 5th, 2022. The GCC Project Verification team has identified that the project was initially submitted as Project Type A2, and</p>	<p>PSF/1/, Quality Supervision Report /4/ GCC Clarification No. 05 (V1.0)</p>
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		subtype 1 the operational start date of the project activity is on 13/06/2017 and the crediting period is from 13/06/2017 to 12/06/2017. Thus the project activity complies with the requirements of the GCC Project Standard (V3.1)/B01/, GCC Clarification No.1 (v1.3)/B01/, and GCC Clarification No. 04 (V1.0)/B01/. Hence the project is eligible as Type A2.	
	Start date of project activity	13/06/2017 (earliest date of commercial operation)	PSF/1/, Quality Supervision Report /4/
	Start date of Crediting period	From 13/06/2017 to 12/06/2017	PSF/1/, Quality Supervision Report /4/
	Global stakeholder consultation	20/11/2022 to 04/12/2022	https://www.globalcarboncouncil.com/global-stakeholders-consultation-6/
<p>The project activity complies with the requirement of §11 of the GCC Project Standard (V3.1)/B01/, GCC Clarification No.1 (v1.3)//, and GCC Clarification No. 04 (V1.0)/B01/.</p>			

D.2. General description of project activity

Means of Project Verification	Desk reviews and Interviews																	
Findings	CL 02 and CAR 01 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. Its content was confirmed by means of document review and interviews to verify the accuracy and completeness of the project description.</p> <table border="1" data-bbox="502 1568 1484 2038"> <thead> <tr> <th>Parameters</th> <th>Project Details</th> <th>Verified documents</th> </tr> </thead> <tbody> <tr> <td>Name of the Project</td> <td>Baotou Hongnijing 40MW Solar Power Project</td> <td>PSF/1/</td> </tr> <tr> <td>Project developer</td> <td>Inner Mongolia Energy Power Generation Investment Group Co., Ltd. Baotou Power Generation Branch</td> <td>PSF/1/, Quality Supervision Report /4/</td> </tr> <tr> <td>Capacity</td> <td>40 MW_{AC}</td> <td>EPC contract /7/ On-site visit /15/</td> </tr> <tr> <td>Purpose of the project</td> <td>The purpose of the project activity is to generate electricity using Solar Modules harnessing</td> <td>Quality Supervision Report /4/ PPA</td> </tr> </tbody> </table>			Parameters	Project Details	Verified documents	Name of the Project	Baotou Hongnijing 40MW Solar Power Project	PSF/1/	Project developer	Inner Mongolia Energy Power Generation Investment Group Co., Ltd. Baotou Power Generation Branch	PSF/1/, Quality Supervision Report /4/	Capacity	40 MW _{AC}	EPC contract /7/ On-site visit /15/	Purpose of the project	The purpose of the project activity is to generate electricity using Solar Modules harnessing	Quality Supervision Report /4/ PPA
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	solar energy. The electricity generated is supplied to the North China Power Grid (NCPG)	/06/, On-site visit /15/
Annual Generation	64,940 MWh/ year	ER/2/
Emission reduction	536,980 tCO _{2e} (for the entire crediting period.)	ER/2/

Since solar energy is clean energy, 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 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 53,698 tCO_{2e} /year for a period of 10 years.

The project activity by Inner Mongolia Energy Power Generation Investment Group Co., Ltd. Baotou Power Generation Branch. is located in Hongnijing Township, Guyang County, Baotou City, Inner Mongolia Autonomous Region of China.

The geo-coordinates of the project activity are given below:

Latitude*	Longitude*	Latitude	Longitude
41°21'04"N	109°50'38"E	41.3510° N	109.8438° E

The same was confirmed by the measurement of co-ordinates using google earth software and GPS at the project sites. The other details such as township, city and province name of the project location are checked during the physical on-site verification /15/; further, the solar project was cross checked with the commissioning certificate of the project activity and were found appropriate /4/.

Parameters	Project Details	Verified documents
Type of Project	Greenfield solar power project	Quality Supervision Report /4/, PPA /06/ EPC contract/7/, O&M contract/13/. Manufacture specification/11/
Technology	Solar Photovoltaic Tecnology	
Module Make	Trinasolar	
Project Capacity	40MW _{AC}	
Lifetime of the project	25 Years	
Project start date	13/06/2017(commercial operation date)	Quality Supervision Report /4/

The solar power project is fully commissioned and connected to North China Power Grid Transmission lines. The same is confirmed from the onsite visit/05/.

The investment decisions for the project activity were made within a year time/08/. This indicates that all the activities included within the project are located in distinct areas and therefore can apply requirements (baseline, additionality, monitoring, etc.). The project activity will be collective establishment of baseline, emission reductions calculations, additionality demonstration (including investment and common practice analysis), project monitoring plan and assessment of certification labels have been carried out which is found to be in line with GCC Clarification no 1.

	<p>The baseline scenario is that the electricity delivered to the grid by both the project activity would be 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 /B02/. The project is expected to generate and feed GHG free electricity to the connected North China Power Grid (NCPG).</p> <p>As stated in the PSF /1/, the project activity also voluntarily contributes to Environmental No-net-harm Label (E+), Social No net-harm Label (S+) and United Nations Sustainable Development Goals (SDG+).</p> <table border="1" data-bbox="502 638 1481 981"> <thead> <tr> <th>GCC labels applied</th> <th>Environmental No-net-harm Label (E+), Social No-net-harm Label (S+), CORSIA requirements (C+) and United Nations Sustainable Development Goals (SDG+)</th> </tr> </thead> <tbody> <tr> <td>Environmental No-net-harm Label (E+) score</td> <td>+7</td> </tr> <tr> <td>Social No-net-harm Label (S+) score</td> <td>+3</td> </tr> <tr> <td>Number of United Nations Sustainable Development Goals (SDG+) opted</td> <td>+3</td> </tr> </tbody> </table> <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 GCC 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/ and on-site visit interviews/15/.</p> <p>In accordance with §44 of GCC Project Standard (version 03.1) /B01-1/, the verification team has assessed the geographical boundary of the Project Activity, within which it will be implemented, and confirms that geographical boundary of the Project Activity comprises the following boundaries.</p> <ul style="list-style-type: none"> • The solar power plant itself • The point of connection to North China Power Grid for sale of electricity. <p>This was checked and confirmed by reviewing the PSF /1/, on-site visit interviews with representatives of project owner.</p> <p>As per the PSF /1/, start date of the Project activity 13/06/2017 (Earliest start date of commercial operation of the Project) /4/. The same is in accordance with requirements of §38 of GCC Project Standard (version 03.1) /B01-1/.</p> <p>A crediting period is a fixed crediting period for the Project Activity, from 13/06/2017 to 12/06/2027 i.e., of 10 years. This is cross checked by PSF /1/ and conforms the requirement of §39 and §40 of GCC Project Standard Version 03.1 /B01-1/.</p> <p>CC IPL confirms 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>	GCC labels applied	Environmental No-net-harm Label (E+), Social No-net-harm Label (S+), CORSIA requirements (C+) and United Nations Sustainable Development Goals (SDG+)	Environmental No-net-harm Label (E+) score	+7	Social No-net-harm Label (S+) score	+3	Number of United Nations Sustainable Development Goals (SDG+) opted	+3
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D.3. Application and selection of methodologies and standardized baselines

D.3.1 Application of methodology and standardized baselines

Means of Project Verification	Desk Review and Interviews																	
Findings	CL 01 and CAR 04 were raised, and findings are closed. Please refer to Appendix 4 for further details.																	
Conclusion	<p>The CDM methodology applied is ACM0002, version 21.0 /B02/. It is applicable to greenfield renewable energy power generation using solar power. The applicability of the methodology could be confirmed by means of interviews with the Project owner representatives, physical site visit and document review. 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 (ACM0002, Version 21.0)		Justification in the PSF by PO		GCC Project Verifier's assessment													
	<p>This methodology is applicable to grid-connected renewable energy power generation project activities that:</p> <p>(a) Install a Greenfield power plant;</p> <p>(b) Involve a capacity addition to (an) existing plant(s);</p> <p>(c) Involve a retrofit of (an) existing operating plant(s)/unit(s);</p> <p>(d) Involve a rehabilitation of (an) existing plant(s)/unit(s); or</p> <p>(e) Involve a replacement of (an) existing plant(s)/unit(s).</p>		<p>The project is a greenfield solar PV power plant.</p> <p>Hence applicable.</p>		<table border="1"> <thead> <tr> <th>Parameters</th> <th>Project Specification</th> <th>Verified document</th> </tr> </thead> <tbody> <tr> <td>Type of project activity</td> <td>Green field Solar Power project</td> <td>Confirmed from the technology provider /11/, power purchase agreement signed /06/, and the Quality Supervision Report /4/.</td> </tr> <tr> <td>Category</td> <td>Renewable energy</td> <td></td> </tr> <tr> <td>Project capacity (AC)</td> <td>40 MW</td> <td></td> </tr> </tbody> </table> <p>Hence the methodology is applicable to the proposed project activity.</p>			Parameters	Project Specification	Verified document	Type of project activity	Green field Solar Power project	Confirmed from the technology provider /11/, power purchase agreement signed /06/, and the Quality Supervision Report /4/.	Category	Renewable energy		Project capacity (AC)	40 MW
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<p>In case the project activity involves the integration of a BESS, the methodology is applicable to grid-connected renewable energy power generation project activities that:</p> <p>(a) Integrate BESS with a Greenfield power plant.</p> <p>(b) Integrate a BESS</p>		<p>The project does not involve the integration of a BESS.</p> <p>Hence Not Applicable</p>		<table border="1"> <thead> <tr> <th>Parameters</th> <th>Project Specification</th> <th>Verified document</th> </tr> </thead> <tbody> <tr> <td>Type of project activity</td> <td>Green field solar project</td> <td>Contract signed by the technology provider</td> </tr> <tr> <td>Category</td> <td>Renewable</td> <td></td> </tr> </tbody> </table>			Parameters	Project Specification	Verified document	Type of project activity	Green field solar project	Contract signed by the technology provider	Category	Renewable				
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	<p>together with implementing a capacity addition to (an) existing solar photovoltaic or wind power plant(s)/unit(s);</p> <p>(c) Integrate a BESS to (an) existing solar photovoltaic or wind power plant(s)/unit(s) without implementing any other changes to the existing plant(s);</p> <p>(d) Integrate a BESS together with implementing a retrofit of (an) existing solar photovoltaic or wind power plant(s)/unit(s).</p> <p>Table 2. Combinations of renewable energy technologies and mode of BESS applicable for integration</p> <table border="1"> <thead> <tr> <th>Renewable Energy Technology Mode of installation of BESS</th> <th>Solar photovoltaic or wind</th> <th>Other renewable technologies</th> </tr> </thead> <tbody> <tr> <td>BESS + (a) Greenfield plant(s)</td> <td>Eligible</td> <td>Eligible</td> </tr> <tr> <td>BESS+ capacity addition to existing plant(s)</td> <td>Eligible</td> <td>Not Eligible</td> </tr> <tr> <td>BESS with no other changes to the existing plant(s)</td> <td>Eligible</td> <td>Not Eligible</td> </tr> <tr> <td>BESS + retrofit to existing plant(s)</td> <td>Eligible</td> <td>Not Eligible</td> </tr> </tbody> </table> <p>The methodology is applicable under the following conditions: a) Hydro power plant/unit with or without reservoir,</p>	Renewable Energy Technology Mode of installation of BESS	Solar photovoltaic or wind	Other renewable technologies	BESS + (a) Greenfield plant(s)	Eligible	Eligible	BESS+ capacity addition to existing plant(s)	Eligible	Not Eligible	BESS with no other changes to the existing plant(s)	Eligible	Not Eligible	BESS + retrofit to existing plant(s)	Eligible	Not Eligible		<table border="1"> <tr> <td></td> <td>wable energy</td> <td rowspan="3">/11/, power purchase agreement signed /06/, and Quality Supervision Report /4/.</td> </tr> <tr> <td>Project capacity (AC)</td> <td>40 MW</td> </tr> <tr> <td>Type of Renewable Energy Project</td> <td>Solar Power Project</td> </tr> </table>		wable energy	/11/, power purchase agreement signed /06/, and Quality Supervision Report /4/.	Project capacity (AC)	40 MW	Type of Renewable Energy Project	Solar Power Project
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	<p>wind power plant/unit, geothermal power plant/unit, solar power plant/unit, wave power plant/unit or tidal power plant/unit;</p> <p>b) In the case of capacity additions, retrofits, rehabilitations or replacements (except for wind, solar, wave or tidal power capacity addition projects) the existing plant/unit started commercial operation prior to the start of a minimum historical reference period of five years, used for the calculation of baseline emissions and defined in the baseline emission section, and no capacity expansion, retrofit, or rehabilitation of the plant/unit has been undertaken between the start of this minimum historical reference period and the implementation of the project activity;</p> <p>c) In case of Greenfield project activities applicable under paragraph 5 (a) above, the project participants shall demonstrate that the BESS was an integral part of the design of the renewable energy project activity (e.g. by referring to feasibility studies or investment decision documents);</p> <p>d) The BESS should be charged with electricity generated from the associated renewable energy power plant(s). Only during exigencies may the BESS be charged with electricity from the grid or a fossil fuel electricity generator. In such cases, the</p>	<p>connected solar power project using solar energy for generation of electricity and does not involve BESS and hence the criteria is not relevant.</p>	<p>The proposed activity is a Greenfield grid connected solar power project. CCIPL project verification team confirmed the same during the onsite visit /15/. Hence this condition is not applicable to the proposed project activity.</p>
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	<p>corresponding GHG emissions shall be accounted for as project emissions following the requirements under section 5.4.4 below. The charging using the grid or using fossil fuel electricity generator should not amount to more than 2 per cent of the electricity generated by the project renewable energy plant during a monitoring period. During the time periods (e.g. week(s), months(s)) when the BESS consumes more than 2 per cent of the electricity for charging, the project participant shall not be entitled to issuance of the certified emission reductions for the concerned periods of the monitoring period.</p>		
	<p>In case of hydro power plants, one of the following conditions shall apply:</p> <p>a) The project activity is implemented in existing single or multiple reservoirs, with no change in the volume of any of the reservoirs; or</p> <p>b) The project activity is implemented in existing single or multiple reservoirs, where the volume of the reservoir(s) is increased and the power density, calculated using equation (7), is greater than 4 W/m²; or</p> <p>c) The project activity results in new single or multiple reservoirs and the power density, calculated using equation (7), is greater than 4</p>	<p>The project activity involves construction and operation of greenfield grid-connected solar power project using solar energy for generation of electricity hence the applicability condition is not applicable/relevant to the project activity as the applicability conditions is related to hydro power projects</p>	<p>The proposed project activity is not a hydro power project.</p> <p>The proposed activity is a Greenfield grid connected solar power project. CCIPL project verification team confirmed the same during the onsite visit /15/. Hence this condition is not applicable to the proposed project activity.</p>

	<p>W/m²; or</p> <p>d) The project activity is an integrated hydro power project involving multiple reservoirs, where the power density for any of the reservoirs, calculated using equation (7), is lower than or equal to 4 W/m², all of the following conditions shall apply:</p> <p>The power density calculated using the total installed capacity of the integrated project, as per equation (8), is greater than 4 W/m²;</p> <p>Water flow between reservoirs is not used by any other hydropower unit which is not a part of the project activity;</p> <p>Installed capacity of the power plant(s) with power density lower than or equal to 4 W/m² shall be:</p> <p>Lower than or equal to 15 MW; and</p> <p>Less than 10 per cent of the total installed capacity of integrated hydro power project.</p>		
	<p>In the case of integrated hydro power projects, project participants shall:</p> <p>(a) Demonstrate that water flow from upstream power plants/units spill directly to the downstream reservoir and that collectively constitute to the generation capacity of the integrated hydro power project; or</p> <p>(b) Provide an analysis of the water</p>	<p>The project activity involves construction and operation of greenfield grid-connected solar power project using solar energy for generation of electricity hence the applicability condition is not applicable/relevant to the project activity as the</p>	<p>The proposed project activity is not a hydro power project.</p> <p>The proposed activity is a Greenfield grid connected solar power project. CCIPL project verification team confirmed the same during the onsite visit /15/. Hence this condition is not applicable to the proposed project activity.</p>

	<p>balance covering the water fed to power units, with all possible combinations of reservoirs and without the construction of reservoirs. The purpose of water balance is to demonstrate the requirement of specific combination of reservoirs constructed under CDM project activity for the optimization of power output. This demonstration has to be carried out in the specific scenario of water availability in different seasons to optimize the water flow at the inlet of power units. Therefore, this water balance will take into account seasonal flows from river, tributaries (if any), and rainfall for minimum of five years prior to the implementation of the CDM project activity.</p>	<p>applicability conditions is related to hydro power projects.</p>									
	<p>The methodology is not applicable to:</p> <p>(a) Project activities that involve switching from fossil fuels to renewable energy sources at the site of the project activity, since in this case the baseline may be the continued use of fossil fuels at the site;</p> <p>b) Biomass fired power plants;</p>	<p>The project activity involves construction and operation of greenfield grid-connected solar power project using solar energy for generation of electricity hence the applicability condition is not relevant as the same pertains to switching from fossil fuels to renewable energy sources or biomass fired power plants/units.</p>	<table border="1"> <thead> <tr> <th data-bbox="1075 1249 1230 1346">Parameters</th> <th data-bbox="1230 1249 1347 1346">Project Status</th> <th data-bbox="1347 1249 1493 1346">Verified document</th> </tr> </thead> <tbody> <tr> <td data-bbox="1075 1346 1230 1469">Any fossil fuel switching activity?</td> <td data-bbox="1230 1346 1347 1469">Not applicable</td> <td data-bbox="1347 1346 1493 1805" rowspan="2">Confirmed from Contract signed by the solar Power project technology provider /11/, and the Quality Supervision Report /4/.</td> </tr> <tr> <td data-bbox="1075 1469 1230 1805">Biomass fired power plant involved in the project activity?</td> <td data-bbox="1230 1469 1347 1805">Not applicable</td> </tr> </tbody> </table> <p>The project verification team confirmed the same during the onsite visit /15/. Hence this condition is not applicable to the proposed project activity.</p>	Parameters	Project Status	Verified document	Any fossil fuel switching activity?	Not applicable	Confirmed from Contract signed by the solar Power project technology provider /11/, and the Quality Supervision Report /4/.	Biomass fired power plant involved in the project activity?	Not applicable
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Any fossil fuel switching activity?	Not applicable	Confirmed from Contract signed by the solar Power project technology provider /11/, and the Quality Supervision Report /4/.									
Biomass fired power plant involved in the project activity?	Not applicable										

	<p>In the case of retrofits, rehabilitations, replacements, or capacity additions, this methodology is only applicable if the most plausible baseline scenario, as a result of the identification of baseline scenario, is “the continuation of the current situation, that is to use the power generation equipment that was already in use prior to the implementation of the project activity and undertaking business as usual maintenance”.</p>	<p>The project activity involves construction and operation of greenfield grid-connected solar power project using solar energy for generation of electricity hence the applicability condition is not relevant as the same pertains to retrofits, rehabilitations, replacements, or capacity additions.</p>	<table border="1"> <thead> <tr> <th>Parameters</th> <th>Project Status</th> <th>Verified document</th> </tr> </thead> <tbody> <tr> <td>Any Capacity addition?</td> <td>Not applicable</td> <td rowspan="4">Confirmed from Contract signed by the solar Power technology provider /11/, and the Quality Supervision Report /4/.</td> </tr> <tr> <td>Any Retrofits?</td> <td>Not applicable</td> </tr> <tr> <td>Any Rehabilitation?</td> <td>Not applicable</td> </tr> <tr> <td>Any replacement</td> <td>Not applicable</td> </tr> </tbody> </table>	Parameters	Project Status	Verified document	Any Capacity addition?	Not applicable	Confirmed from Contract signed by the solar Power technology provider /11/, and the Quality Supervision Report /4/.	Any Retrofits?	Not applicable	Any Rehabilitation?	Not applicable	Any replacement	Not applicable
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<p>The project verification team confirmed the same during the onsite visit /15/. Hence this condition is not applicable to the proposed project activity.</p>															

Applicability conditions of Tool 07, Tool to calculate the emission factor for an electricity system (Version 07.0)

Applicability criteria of the tool 7, Version 7.0	Justification in the PSF	GCC Project Verifier’s assessment
<p>The tool lists the following applicability criteria:</p> <p>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>Applicable</p> <p>This project replaces grid power supply and uses this tool to calculate the values of OM, BM and CM of this project.</p>	<p>The project activity involved the construction and operation of 40 MW solar power plant in P.R. China. The electricity thus generated is being sold to North China Power Grid (NCPG). In the absence of the project activity, the same amount of electricity (grid electricity) would be generated in the NCPG, Therefore, combined margin calculation applies to the NCPG</p>
<p>Under this tool, the emission factor for the project electricity system can be calculated either for grid power plants only or, as</p>	<p>The emission factor for the project electricity system calculated for grid</p>	<p>Project owner has calculated the emission factor applying the mentioned applicability</p>

	<p>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.</p>	<p>power plants only.</p>	<p>condition in Tool 07 /B05 / This is accepted by the project verification team.</p>
	<p>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.</p>	<p>There is no part of the power system of this project located in Annex I countries.</p>	<p>The electricity generated from the GCC project will be sold (100%) to North China Power Grid (NCPG). Since the project electricity system is located in P.R. China which is not an Annex I country (Date of ratification of Kyoto protocol by China = 29 May 1998), the project verification team has accepted the application of the tool to calculate the grid emission factor.</p>
	<p>(d) Under this tool, the value applied to the CO₂ emission factor of biofuels is zero.</p>	<p>This condition is not relevant, this project is a solar power project. This condition is not relevant,</p>	<p>The project activity is a grid connected solar power project. There are no biofuels related activity.</p>
	<p>Applicability criteria of the tool 1, Version 7.0</p> <p>The use of the “Tool for the demonstration and assessment of additionality” is not mandatory for project owners when proposing new</p>	<p>Justification in the PSF</p> <p>Applicable</p> <p>The methodology selected for the proposed project</p>	<p>GCC Project Verifier’s assessment</p> <p>One alternative that would be more attractive than the project activity has been defined in section</p>

	<p>methodologies. Project owners may propose alternative methods to demonstrate additionality for consideration by the Executive Board. They may also submit revisions to approved methodologies using the additionality tool.</p>	<p>requires the use of this tool.</p>	<p>B.5 of the PSF. Hence, the applicability criterion was found to be met.</p>
	<p>Once the additionally tool is included in an approved methodology, its application by project owners using this methodology is mandatory.</p>	<p>Applicable The methodology applied in this proposed project requires the use of this tool.</p>	<p>Project owner has applied the Tool for the demonstration and assessment of additionality, version 7, which is in line with the methodology ACM0002 Grid-connected electricity generation from renewable sources, version 21.0.</p>
	<p>Applicability criteria of the tool 27, Version 12</p> <p>This methodological tool is applicable to project activities that apply the methodological tool “Tool for the demonstration and assessment of additionality”, the methodological tool “Combined tool to identify the baseline scenario and demonstrate additionality”, the guidelines “Non-binding best practice examples to demonstrate additionality for SSC project activities”, or baseline and monitoring methodologies that use the investment analysis for the demonstration of additionality and/or the identification of the baseline scenario.</p>	<p>Justification in the PSF</p> <p>Applicable The project apply the methodological tool “Tool for the demonstration and assessment of additionality”.</p>	<p>GCC Project Verifier’s assessment</p> <p>The applicability criterion is met as the project activity applies the methodological tool “Tool for the demonstration and assessment of additionality.”</p>
	<p>In case the applied approved baseline and monitoring methodology contains requirements for the investment analysis that are different from those described in this methodological tool, the requirements contained in the methodology shall prevail.</p>	<p>The methodology ACM0002 (Version 21.0) applied in this project requires the use of this tool to demonstrate the investment analysis of this project.</p>	<p>The applied methodology is ACM0002, Version 21. It doesn’t contain requirements for the investment analysis that are different from those described in this methodological tool 27 Investment Analysis version 11.0.</p>

	Applicability criteria of the tool 24, Version 3.1	Justification in the PSF	GCC Project Verifier’s assessment
	<p>This methodological tool is applicable to project activities that apply the methodological tool “Tool for the demonstration and assessment of additionality”, the methodological tool “Combined tool to identify the baseline scenario and demonstrate additionality”, or baseline and monitoring methodologies that use the common practice test for the demonstration of additionality.</p>	<p>Applicable This project apply the methodological tool “Tool for the demonstration and assessment of additionality”. applicable.</p>	<p>The applicability criterion is met as the project activity applies the methodological tool “Tool for the demonstration and assessment of additionality.”</p>
	<p>In case the applied approved baseline and monitoring methodology defines approaches for the conduction of the common practice test that are different from those described in this methodological tool, the requirements contained in the methodology shall prevail.</p>	<p>The methodology ACM002 (Version 21.0) applied in this project requires the use of this tool to demonstrate the common practice of this project.</p>	<p>The applied methodology is ACM002, Version 21. It doesn’t define approaches for the conduction of the common practice test that are different from those described in this methodological tool 24 Common Practice Analysis version 3.1.</p>

D.3.2 Clarification on applicability of methodology, tool and/or standardized baseline

Means of Project Verification	Desk Review and Interview
Findings	No findings in this section
Conclusion	NA

D.3.3 Project boundary, sources and GHGs

Means of Project Verification	Desk Review and Interview
Findings	No findings in this section
Conclusion	<p>According to the approved baseline and monitoring methodology “ACM002” of “Grid connected renewable electricity generation”, version 21.0 /B02/, 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”. The physical boundary of the project activity identified by the project owner has been cross verified by site visit observation /15/, commissioning report for the power plant /4/ and power purchase agreement /06/.</p> <p>In section B.3 of the PSF /01/, project boundary has been adequately stated in figure 4 and table. Hence, the project boundary includes the solar power plant and the other power plants which connected to the related electricity system and the North China Power Grid (NCPG)</p>

D.3.4 Baseline scenario

Means of Project Verification	Desk Review and Interviews	
Findings	No findings in this section	
Conclusion	Methodology requirement baseline	GCC Project Verifier Opinion
	According to the approved baseline methodology ACM0002 /B-02/, “the baseline scenario is 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, as reflected in the combined margin (CM) calculations described in the “Tool to calculate the emission factor for an electricity system (Version 07.0)”.	Project activity involves generation of electricity using solar power plant and selling it to NCPG as confirmed through the power purchase agreement /06/ and Quality Supervision Report /4/. In the absence of this project activity, same amount of electricity would have been generated by the operation of existing/proposed grid connected fossil fuel-based power plants.
	The relevant national and/or sectoral policies, regulations and circumstances are taken into account during the determination of baseline scenario.	<p>Project Owner has considered all the applicable national and sectoral level policies in demonstrating the regulatory compliance of the of the project and baseline scenario.</p> <p>National/sectoral policies & regulations:</p> <ul style="list-style-type: none"> • Renewable Energy Law of the People's Republic of P.R. China /33/. • Several opinions of The State Council on promoting the healthy development of photovoltaic industry/34/. • Measures for the administration of the development and construction of photovoltaic power stations/35/. <p>According to all the referred policies and regulations the baseline scenario is in compliance with all applicable legal and regulatory requirements.</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:</p> <p>Combined margin CO₂ emission factor for the project electricity system in year y (EF_{grid,CM,y}) – The value has been taken from the 2019 Annual Emission Reduction Projects China Regional Power Grid Baseline Emission Factors published by the</p>		

	<p>Ministry of Ecology and Environment of the People's Republic of China /16/. 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>The project verification team was able to verify all the documented evidence listed above during the GCC Project Verification process and can confirm that:</p> <ul style="list-style-type: none"> • All the assumptions and data used by the project owners are listed in the PSF, including their references and sources. • All documentation used /04/ /05/ /06/ /07/ and /16/ are relevant for establishing the baseline scenario and correctly quoted and interpreted in the PSF. • Relevant national and/or sectoral policies and circumstances are considered and listed in the PSF /1/. <p>The approved baseline methodology ACM0002, version 21.0, has been correctly applied to identify the most reasonable baseline scenario and the identified baseline scenario reasonably represents what would occur in the absence of the proposed GCC project activity.</p>
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D.3.5 Demonstration of additionality

Means of Project Verification	Desk Review and Interviews
Findings	CL 07 and CL 08 were raised, and findings are closed. Please refer to Appendix 4 for further details.
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>i. Legal Requirement Test</p> <p>The project activity is a Type A project and requires undergoing a Legal Requirement Test. However, the project activity is not mandated by law or regulations and is entirely a voluntary action. The project complies with paragraph 46 of GCC Project Standard V3.1.</p> <p>The relevant national acts and regulations pertaining to generation of energy in the host country i.e., P.R. China.</p> <ul style="list-style-type: none"> • Renewable Energy Law of the People's Republic of P.R. China/33/ • Several opinions of The State Council on promoting the healthy development of photovoltaic industry/34/ • Measures for the administration of the development and construction of photovoltaic power stations. / 35/ • Environmental Protection Law of the People's Republic of China/36/ <p>It was confirmed that there are no enforced laws, statutes, regulations, court orders, environmental-mitigation agreements, permitting conditions or other legally binding mandates requiring its implementation, or requiring the implementation of a similar technology/measure that would achieve equivalent levels of GHG emission reductions. The GCC verification team assessed the relevant regulations of the host county to confirm the requirements and also confirmed based on the local expertise by the project verification team the project is not implemented to meet any legal requirement.</p>

	<p>ii. Additionality Test</p> <p>To cover this requirement from the GCC Project Standard 3.1, section 6.4.8, paragraph 45 and as per the applied methodology ACM0002 Version 21.0, additionality of the following project activity is demonstrated and assessed by the latest version of Tool 01: Tool for the demonstration and assessment of additionality” Version 7.0 /B-04/. The project owner has adopted the stepwise approach for demonstrating and assessing the additionality of the project activity as follows:</p> <p>Sub Step 0: Demonstration whether the proposed project activity is first-of-its-kind.</p> <p>The proposed project activity is not the first of its kind as implementation of solar power project in the State is not first of its kind.</p> <p>Step 1: Identification of alternatives to the project activity consistent with current laws and regulations</p> <p>Sub-step 1a: Define alternatives to the project activity:</p> <p>Alternative (a): The proposed project activity undertaken without being registered as a GCC project activity.</p> <p>Alternative (b): Continuation of the current situation (no project activity or other alternatives undertaken).</p> <p>The first alternative, which is the implementation of the project without carbon revenue, is not financially attractive as discussed in the investment analysis section below. The second alternative is the baseline scenario and implementation of the proposed project as a GCC project activity would be additional to this scenario.</p> <p>Outcome of Step 1a</p> <p>Both the alternatives identified above are realistic alternatives. However, the first alternative is not possible as the project activity is not viable without carbon credit benefits; and section alternative is the baseline scenario for the project activity.</p> <p>Sub-step 1b: Consistency with mandatory laws and regulations:</p> <p>There are no laws or regulations in P.R China issued by Chinese Government, that restrict implementation of solar power project. Further, no law or regulation issued by Government of China, which mandates project owner to invest in solar power project. The proposed project activity is consistent with national policies for environmental protection, energy conservation and sustainable development.</p> <p>The resultant alternatives to the project as outlined in Step 1a are in compliance with the applicable laws and regulations. This has been discussed in the legal requirement test above.</p> <p>Outcome of Step 1b</p> <p>Mandatory legislation and regulations for each alternative are taken into account in sub-step 1b. Based on the above analysis, the proposed project activity is not the only alternative amongst the project owners that is in compliance with mandatory regulations. The verification team has assessed mandatory laws and regulations and confirms that all alternatives are in compliance with mandatory laws and regulations in China. Alternative 2 has been selected as the appropriate baseline alternative for</p>
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	<p>this project activity in line with methodology.</p> <p>Step 2: Investment analysis</p> <p>In this section it is demonstrated that the project activity is not financially feasible without the revenue from the sale of ACCs. This is demonstrated in following sections as per TOOL 27: “Investment analysis” (Version 12.0)/B06/ No public funding or ODA are associated with the implementation of this GCC project activity.</p> <p>Sub-step 2a: Determine appropriate analysis method</p> <p>The project owner has chosen to apply investment analysis to demonstrate the additionality of the project activity using the benchmark analysis method. The project cannot apply simple cost analysis since the project brings revenue from the sale of electricity; also, investment comparison analysis cannot be applied as the alternative to the project activity is the electricity generated by new and existing grid connected power plants. Since the Project is a grid-connected solar power project, and the baseline scenario is the provision of equivalent amount of annual electricity by the NCPG and the PO is demonstrating the financial unattractiveness of the project and the project cost involves both equity and debt, benchmark analysis is considered to be the appropriate option to indicate financial unattractiveness.</p> <p>Sub-step 2b: Option III. Apply benchmark analysis</p> <p>As per para 15 of Tool 27: Investment analysis, version 12.0, ‘Required/expected returns on equity are appropriate benchmarks for an equity IRR’ /B06/. Project owner has chosen Post tax project IRR as the financial indicator for the demonstration of financial unattractiveness for the proposed project activity</p> <p>According to paragraph .15 of the CDM TOOL 27: Investment analysis, it states that, the applied benchmark shall be appropriate to the type of IRR calculated. Local commercial lending rates or WACC are appropriate benchmarks for a project IRR. Required/expected returns on equity are appropriate benchmarks for an equity IRR. Benchmarks supplied by relevant national authorities are also appropriate.</p> <p>Project owner has chosen the IRR benchmark of 8% from the “the Interim Rules on Economic Assessment of Electrical Engineering Retrofit Projects.</p> <p>According to clause 1.11 of “Interim Rules on Economic Assessment Electrical Engineering Retrofit Projects” published by State Power Grid Company/18/, for greenfield or retrofit projects in Chinese electric power industry, the financial benchmark is 8% for project IRR (after tax) or 10% for equity IRR (after tax).</p> <p>It has been confirmed by the project verification team that the investment climate has not changed during a long period covering from 2003 to 2014 based on the local sectoral knowledge. This has been confirmed by checking the historical statistical data by the National Bureau of Statistics(https://data.stats.gov.cn/easyquery.htm?cn=C01).</p> <p>The project verification team has confirmed the “the Interim Rules on Economic Assessment of Project Verification Report Global Carbon Council 20 of 124 Electrical Engineering Retrofit Projects”/18/ and confirms that the benchmark was determined by the national administration of the industry in China and represents a government/official approved benchmark. The design institute of the FSR of the project recommend in the FSR to consider the IRR benchmark of 8% based on the “Interim Rules on Economic Assessment of Electrical Engineering Retrofit Projects”.</p>
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	<p>The project developer selected this benchmark during the process of making investment decision on 07/11/2016/08/. It is common practice that solar power projects in China selected this IRR benchmark from “Interim Rules on Economic Assessment of Electrical Engineering Retrofit Project.</p> <p>The project verification team has confirmed the “the Interim Rules on Economic Assessment of Project Verification Report Global Carbon Council 20 of 124 Electrical Engineering Retrofit Projects” and confirms that the benchmark was determined by the national administration of the industry in China and represents a government/official approved benchmark. The design institute of the FSR of the project recommend in the FSR to consider the IRR benchmark of 8% based on the “Interim Rules on Economic Assessment of Electrical Engineering Retrofit Projects”. The project developer selected this benchmark during the process of making investment decision on 07/11/2016/08/ It is common practice that solar power projects in China selected this IRR benchmark from “Interim Rules on Economic Assessment of Electrical Engineering Retrofit Project.</p> <p>The Project verification team also confirms that after this benchmark has been published, there has been no updated benchmark for this industry published in China.</p> <p>Hence the project verification team confirms that the selected benchmark is found to be appropriate that a threshold IRR on project (=required/expected return on project) 8% (post tax) on real term for the solar project based on the above-mentioned conditions.</p> <p>The date of investment decision date has been considered as the date of the boards meeting/08/ by the company which is 07/11/2016. Therefore, selected benchmark value was found to be appropriate for this project and representative of the Host Country China and has been applied by similar projects (renewable energy power generation).</p>										
		<table border="1"> <thead> <tr> <th style="background-color: #cccccc;">Parameters</th> <th style="background-color: #cccccc;">Project’s Specifics</th> <th style="background-color: #cccccc;">GCC Project Verifier Opinion</th> </tr> </thead> <tbody> <tr> <td>Investment Decision Date</td> <td>11/05/2018</td> <td>The Project Decision Meeting for the approval of setting up of solar power project is taken as the investment decision/08/. The same is verified by checking the Minutes of the Inner Mongolia Energy Power Generation Investment Group Co., Ltd. Baotou Hongnijing Scenery and Photovoltaic Site 40MWp Photovoltaic Project Decision Meeting/ 8/.</td> </tr> <tr> <td>Type of Benchmark</td> <td>Post tax project IRR</td> <td>As per para 15 of Tool 27: Investment analysis, version 12.0, " Local commercial lending rates or WACC are appropriate</td> </tr> </tbody> </table>	Parameters	Project’s Specifics	GCC Project Verifier Opinion	Investment Decision Date	11/05/2018	The Project Decision Meeting for the approval of setting up of solar power project is taken as the investment decision/08/. The same is verified by checking the Minutes of the Inner Mongolia Energy Power Generation Investment Group Co., Ltd. Baotou Hongnijing Scenery and Photovoltaic Site 40MWp Photovoltaic Project Decision Meeting/ 8/.	Type of Benchmark	Post tax project IRR	As per para 15 of Tool 27: Investment analysis, version 12.0, " Local commercial lending rates or WACC are appropriate
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Type of Benchmark	Post tax project IRR	As per para 15 of Tool 27: Investment analysis, version 12.0, " Local commercial lending rates or WACC are appropriate									

			benchmarks for a project IRR. “ /B06/				
	Benchmark Value	8.0%	Project owner has chosen the IRR benchmark of 8% from the “the Interim Rules on Economic Assessment of Electrical Engineering Retrofit Projects/18/. This has been confirmed from the Interim Rules on Economic Assessment of Project Verification Report Global Carbon Council 20 of 124 Electrical Engineering Retrofit Projects” and confirms that the benchmark was determined by the national administration of the industry in China, and represents a government/official approved benchmark. The design institute of the FSR of the project recommend in the FSR to consider the IRR benchmark of 8% based on the “Interim Rules on Economic Assessment of Electrical Engineering Retrofit Projects”/18/.				
<p>The CCIPL assessment team has verified all the above-said documents and confirmed that the benchmark identified to compare the financial attractiveness of the project activity is appropriate.</p> <p>Sub-step 2c: Calculation and comparison of financial indicators</p> <p>For calculation of financial indicator, all relevant costs and revenues were found to be included in the IRR sheet/3/ provided by the PO. All assumptions and estimates used for input values were checked against the relevant sources.</p> <p>The GCC project activity has a less favorable Equity IRR than the benchmark, and hence the GCC project activity cannot be considered as financially attractive. Project verification team has cross checked the chronology of events mentioned in the section B.5 of the PSF and found consistent. The key data parameters used to calculate Project IRR are tabulated below.</p>							
<table border="1"> <thead> <tr> <th>Parameter</th> <th>Unit</th> <th>Value</th> <th>Assessment and Crosschecking</th> </tr> </thead> </table>				Parameter	Unit	Value	Assessment and Crosschecking
Parameter	Unit	Value	Assessment and Crosschecking				

	Total capacity	MW _{ac}	40	Verified against Project Feasibility Study Report for the solar project/05/ and cross verified against the operational quality and supervision report /4/ and EPC contract/7/. Further the same has been confirmed during the onsite visit/15 /.
	Average Load Factor	%	18.04	Verified against the FSR for the solar project /05/. The same is used in the investment analysis. However, the impact of the difference is covered under sensitivity analysis. CCIPL confirms that the PLF considered for the project activity is appropriate; hence acceptable.
	Technical life of project activity	Years	25	The technical life of the project activity is 25 years, and this has been confirmed from the technical specification provided by the technology supplier /11/. Therefore, financial analysis carried for 25 years is acceptable.
	Tariff	CNY/M Wh	780	The project Grid tariff applied in the whole project lifetime is 780 (incl. VAT), which has been verified to be consistent with the value in the approved FSR/05/. As per NRDC White Paper – Improving China ‘s Existing Renewable Energy Legal Framework, no nationwide feed-in tariff currently exists, but specific solar projects can receive a feed-in tariff through a tender process. The tariff rate is also confirmed with power purchase agreement. /06/. Therefore, the value 780 CNY/MWh found appropriate.
	Operation and Maintenance Cost	million CNY/annum	3.81 million CNY	Verified against the O&M agreements/13/ and FSR/05 / and found that at actual cost the project is not breaching the benchmark. GCC project verification team has subjected this parameter under sensitivity analysis, even at -30% of O&M cost the value is not breaching the benchmark. However, IRR is crossing the benchmark is O&M cost is reduced by 40%(60% in IRR). Since, O&M agreement is already in place by the project owner, and the cost is fixed, the reduction in O&M costs are highly unlikely. Hence, the value is accepted by project verification team.
	Total static investment	million CNY	382.86	Verified against FSR of the Solar project /05/, /46/, EPC Contracts /47/ and purchase order/14/ These values are adopted from the documents as per the tool 27 para 10. The project verification team observed that even with 10% variation in Project cost in the sensitivity analysis the equity IRR is below the

				<p>benchmark. IRR will cross the benchmark if project cost is reduced by 12%. Hence, the value is acceptable by the project verification team. Further, the project cost is subjected to sensitivity analysis.</p> <p>The actual breakup cost of the project is given below:</p> <table border="1"> <thead> <tr> <th>Particulars</th> <th>Total Cost</th> <th>Total cost in Crs.</th> </tr> </thead> <tbody> <tr> <td>Survey and Design Fees</td> <td>9,898,000</td> <td>CNY</td> </tr> <tr> <td>Equipment Cost</td> <td>181,714,150</td> <td>CNY</td> </tr> <tr> <td>Material Cost</td> <td>22,789,438</td> <td>CNY</td> </tr> <tr> <td>Special tool Fees</td> <td>Included in the equipment Cost</td> <td>CNY</td> </tr> <tr> <td>Civil Construction Cost</td> <td>104,593,782</td> <td>CNY</td> </tr> <tr> <td>Installation energy cost</td> <td>18,778,324</td> <td>CNY</td> </tr> <tr> <td>Other expenses</td> <td>47,440,912</td> <td>CNY</td> </tr> <tr> <td>Total</td> <td>385,214,606</td> <td>CNY</td> </tr> </tbody> </table>	Particulars	Total Cost	Total cost in Crs.	Survey and Design Fees	9,898,000	CNY	Equipment Cost	181,714,150	CNY	Material Cost	22,789,438	CNY	Special tool Fees	Included in the equipment Cost	CNY	Civil Construction Cost	104,593,782	CNY	Installation energy cost	18,778,324	CNY	Other expenses	47,440,912	CNY	Total	385,214,606	CNY
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Debt Ratio	%	80% of total cost	Verified against the FSR /05/and is approved by the local government																												
Long Interest rate on term loan	%	4.93	Verified against FSR P16 of the solar project/05/ available at the time of decision making. /05/. Hence, the value used for the financial analysis is acceptable to the project verification team.																												
Short Term Interest rate on term loan	%	4.35	Verified against FSR P156 of the solar project/05/ available at the time of decision making. /05/. Hence, the value used for the financial analysis is acceptable to the project verification team.																												

	VAT tax rate for electricity sales	%	17	<p>Verified against the FSR of the solar project/05 /.</p> <p>According to the Provisional Regulations on Value Added Tax of the People's Republic of China /20/ issued on 13 December 1993 and effective from 1 January 1994, the VAT rate was stipulated as 17%. This regulation was then revised on 10 November 2008 and has been effective till now, in which the VAT value is still stipulated as 17%.</p> <p>Therefore, the project verification confirms that the selected VAT rate is in Appropriate with the Chinese regulation at the time of the investment decision.</p>
	Income tax rate	%	25	<p>The income tax rate is 0% in years 0-4, 12.5% in years 5-7 and 25% in the rest years used in the investment analysis of the proposed project.</p> <p>It is confirmed it is in line with the Law of People's Republic of China on Enterprise Income Tax issued on 16 March 2007 /22/.</p>
	Residual value rate	%	5	<p>The project verification team verified against the FSR /05 /.</p> <p>According to the Notification on determination of residual rate for enterprise fixed asset /23/, the residual value can be determined by an enterprise and the range of residual value from 0% to 5% is considered to be reasonable.</p> <p>Therefore, the project verification team confirms that the value taken is found appropriate and in line with the Chinese regulation.</p>
	Average annual depreciation rate	%	6.33	<p>The project verification team verified against FSR/05/ of the solar project. It is verified that the depreciation rate is 6.33% and is in line with the Implementation Rules of Enterprise Income Tax Law of China /24/</p>
	Urban maintenance and construction tax rate	%	5	<p>Verified against the FSR of the solar project/05/ and is found appropriate with the Provisional Regulations of the People's Republic of China on Urban Maintenance and Construction Tax /25/, the rate of city construction surtax shall be determined by the taxpayer's location: 7% for urban areas, 5% for county and town, and 1% for others.it is acceptable that Urban maintenance and construction tax rate of 5 % is applicable for the project.</p>

The additional education tax rate	%	5	Verified against the FSR of the project/05 / and found appropriate ((3% required by the national regulation plus 2% required by the local regulation) with the Chinese regulation at the time of investment decision.
Deductible equipment value-added tax	CNY/M illion	26.14	Verified against the FSR/05/ of the project activity is found appropriate.

The project IRR calculations were provided in a spreadsheet /03/. The calculation was verified and found to be correct by CCIPL project verification team; as well as the assumptions used in the calculation were deemed to be correct. The post-tax project IRR without GCC carbon credit revenues is 6.50 % which confirms that the proposed project activity in absence of the GCC carbon credit benefits and compared to the benchmark return on equity 8% is not financially attractive.

Sensitivity analysis

A sensitivity analysis has been carried out for parameters contributing more than 20% revenues and costs, to demonstrate the robustness of the financial analysis. The parameters for which sensitivity analysis is done are Total static investment, Annual average power supply, Annual O&M cost, and Electricity tariff. Sensitivity analysis was conducted for ±10% variation. Reasonable variations for these parameters were checked by calculating the variation necessary to reach the benchmark and then discussing the likelihood for that to happen.

Varying range	-10%	-5%	0	5%	10%	Percentage of change at which IRR cross the benchmark*
Total static investment	7.83%	7.13%	6.50%	5.92%	5.38%	-11.2%
Annual electricity delivered to the grid	5.00%	5.76%	6.50%	7.23%	7.94%	+10.4%
Annual O&M cost	6.89%	6.70%	6.50%	6.31%	6.11%	-39.6%
Electricity tariff	5.00%	5.76%	6.50%	7.23%	7.94%	10.40%

The results of sensitivity analysis /03/ show that even with a variation of ±10% in Total static investment, Annual average power supply, Annual O&M cost, and Electricity tariff is lower than the benchmark. And it is evident from the results given above; the project remains additional even under the most favorable conditions.

Major input values have been cross checked with the actual values and hence each input value breaching the benchmark is unlikely.

	<p>1) Annual electricity to the grid increased to 10.40%</p> <p>The annual electricity generation of the proposed project activity will require an increase of +10.4% in order to cross the benchmark of 8%. However, the annual electricity generation of the proposed project is derived from the approved FSR/05/ which was prepared by an independent third party. Since it is approved by the government, the FSR can be considered authentic and recognized source. The annual electricity generation of the project activity is compared to the actual generation and as per our opinion, an increase of +10.4% for all the 10 years of the crediting period is a highly unlikely scenario.</p> <p>2) Project Cost is reduced by 11.2%</p> <p>The project IRR will require a decrease of 11.2% in the total static investment in order to cross the benchmark of 8%. The total investment cost of the project activity is 364.229 million yuan. The proposed project activity is already installed, and the actual cost incurred is 385,214,606 CNY /7/. Hence, in our opinion, further the decrease in project cost is a highly unlikely scenario.</p> <p>3) Tariff rate is increased by 10.40%</p> <p>A further increase in tariff rate is a highly unlikely scenario as the tariff rate is fixed for 25 years as verified from the PPA/06/ and FSR/05/.</p> <p>4) O&M cost is reduced by 39.6%</p> <p>Even at 30% of reduction, the project IRR will not cross the benchmark. Hence, as per the above discussion the verification team has concluded that the project activity is not financially feasible and in turn is additional.</p> <p>Step 3: Barrier Analysis</p> <p>The additionality of the project has been demonstrated by applying the investment analysis, thus no barrier analysis is carried out.</p> <p>Step 4: Common Practice Analysis</p> <p>The section below provides the analysis as per step 4 of the “Tool for the demonstration and assessment of additionality”, version 7.0.0 and according to “Common Practice” Tool version 03.1.</p> <p>Step 1: Calculate applicable capacity or output range as +/- 50% of the total design capacity or output of the proposed project activity:</p> <p>The project installed capacity is 40 MW. Therefore, total capacity of solar power plants which will be included in the analysis will be between 20 MW to 60 MW.</p> <p>Step 2: Identify similar projects (both CDM and non-CDM) which fulfil all of the following conditions:</p> <p>a) The projects are located in the applicable geographical area;</p> <p>The size of the P.R. of China and the geographical differences (e.g. access to natural resources, climate, terrain) as well as social-economic differences (e.g. regulatory framework, infrastructure, economic development levels, economic structure, access to technology, access to financing, tariff levels) between the provinces varies. also,</p>
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	<p>there is a large difference in the photovoltaic on-grid electricity price in different regions.</p> <p>Therefore, the Inner Mongolia Autonomous Region is selected as applicable geographical region.</p> <p>b) The projects apply the same measure as the proposed project activity;</p> <p style="padding-left: 40px;">Renewable Energy Projects</p> <p>c) The projects use the same energy source/fuel and feedstock as the proposed project activity, if a technology switch measure is implemented by the proposed project activity.</p> <p style="padding-left: 40px;">Solar power projects</p> <p>d) The plants in which the projects are implemented produce goods or services with comparable quality, properties and applications areas (e.g., clinker) as the proposed project plant.</p> <p style="padding-left: 40px;">The project activity produces electricity; therefore, all solar power plants that produce electricity are candidates for similar projects.</p> <p>e) The capacity or output of the projects is within the applicable capacity or output range calculated in Step 1;</p> <p style="padding-left: 40px;">Range in between 20 to 60 MW.</p> <p>f) The projects started commercial operation before the project design document (CDM-PDD) is published for global stakeholder consultation or before the start date of proposed project activity, whichever is earlier for the proposed project activity.</p> <p style="padding-left: 40px;">The start date i.e., EPC Contract date /7/ of the project activity is on 12/2016. Therefore, projects, which have started commercial operation before start of the project, have been considered for analysis.</p> <p style="padding-left: 40px;">There are 19 projects meeting the above criteria/37/.</p> <p>Step 3: within the projects identified in Step 2, identify those that are neither registered CDM project activities, project activities submitted for registration, nor project activities undergoing project verification. Note their number, N_{all}.</p> <p style="padding-left: 40px;">There have been 3 projects that meet the conditions/ and are given in the table below. Hence N_{all} = 3</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="text-align: center;">No</th> <th style="text-align: center;">Project Title</th> <th style="text-align: center;">Installed capacity (MW)</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Huadian Erenhot New Energy Investment Co., Ltd. 48MW solar photovoltaic power generation project⁶</td> <td style="text-align: center;">48</td> </tr> </tbody> </table>	No	Project Title	Installed capacity (MW)	1	Huadian Erenhot New Energy Investment Co., Ltd. 48MW solar photovoltaic power generation project ⁶	48
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⁶ http://fgw.nmg.gov.cn/zfxgk/fdzdgnr/bmwj/202012/t20201209_340289.html

	2	Inner Mongolia Datang International New Energy Co., Ltd. Chayouhouqi Hongmu Phase I 20MWp Photovoltaic Power Generation Project ⁷	20
	3	Inner Mongolia Datang International New Energy Co., Ltd. Zhuozi County Jiujiuquan Scenery Co., Ltd. 20MWp photovoltaic power generation project ⁸	20

Step 4: within similar projects identified in Step 3, identify those that apply technologies that are different to the technology applied in the proposed project activity. Note their number N_{diff}.

As per the CDM tool am-tool-24-v03.1 Common practice, technologies that deliver the same output and differ by investment climate on the date of the investment decision (significant difference on tariff and subsidies) and nature of the investment (unit cost of capacity differ by over 20%) are considered as different technologies.

Projects 1,2,3 have a very high tariff (1CNY/kWh), which is higher than that of Project (0.780CNY/kWh). Because 1 CNY/kWh electricity tariff would cause much higher financial benefits for the project than 0.780CNY/kWh, there is a significant difference in tariff between the project and Projects 1, 2 and 3. Therefore, projects 1,2 and 3 are considered as different technologies to the proposed project, thus N_{diff} = 3.

Step 5: calculate factor F= 1 – (N_{diff}/N_{all}) representing the share of similar projects (penetration rate of the measure/technology) using a measure/technology similar to the measure/technology used in the proposed project activity that deliver the same output or capacity as the proposed project activity.

The factor F was found to be in line with Tool 24

$$F = 1 - (N_{diff}/N_{all}) = 1 - (3/3) = 0$$

$$N_{all} - N_{diff} = 3-3=0$$

As per methodological tool “common practice” version 03.1, The proposed project activity is a “common practice” within a sector in the applicable geographical area if the factor F is greater than 0.2 and N_{all} - N_{diff} is greater than 3.

The project activity would be common practice, only both of the following conditions apply.

$$F > 0.2 \text{ and } N_{all} - N_{diff} > 3$$

For the concerned project, F = 0 but N_{all} - N_{diff} = 0 (Which is less than 3), therefore, the proposed project is not a common practice within the applicable geographical area. Hence, the proposed project is additional.

D.3.6 Estimation of emission reductions or net anthropogenic removal

⁷ <https://www.energytrend.cn/news/20131104-7394.html>

⁸ <http://www.sasac.gov.cn/n2588025/n2588124/c4000809/content.html>

Means of Project Verification	Desk Review and Interview
Findings	CAR 06 and CAR 07 were raised, and findings are closed. Please refer to Appendix 4 for further details.
Conclusion	<p>According to ACM0002/B-02/ methodology, emission reductions related to project activities is estimated as follows:</p> $BE_y = EG_{\text{facility},y} \times EF_{\text{grid},\text{CM},y}$ <p>Where: BE_y = Baseline emissions in year y (t CO₂/yr)</p> <p>$EG_{\text{facility},y}$ = Quantity of net electricity generation supplied by the project plant/unit to the grid in year y (MWh/yr)</p> <p>$EF_{\text{grid},\text{CM},y}$ = Combined margin CO₂ emission factor for grid connected power generation in year y calculated using the latest version of “TOOL07: Tool to calculate the emission factor for an electricity system” (t CO₂/MWh).</p> <p>Since the electricity generation values differ between years as explained in A.1, annual average electricity generation over the crediting period has been calculated and given in ER Sheet /02/. According to ER Sheet, $EG_{\text{PJ},y}$ which is also called $EG_{\text{facility},y}$ is 67,012 MWh for first year. Also, according to Projects China Regional Power Grid Baseline Emission Factors published by the Ministry of Ecology and Environment of the People's Republic of China, $EF_{\text{grid},y}$ could be used as 0.8269 tCO₂/MWh.</p> <p>Therefore, annual baseline emission is calculated as below:</p> $BE_y = EG_{\text{PJ},y} \times EF_{\text{grid},\text{CM},y}$ $64,940 \times 0.8269 = 53,698 \text{ tCO}_2\text{e/yr}$ <p>Project Emissions (PE_y)</p> <p>As the project activity is a solar-based power generation, the project emissions are not applicable to the project activity as per the methodology ACM0002/B02/.</p> <p>Hence, $PE_y = 0$</p> <p>Leakage Emission (LE_y)</p> <p>Leakage (LE_y) As per ACM0002 /B02/, no leakage emissions are considered.</p> <p>Therefore, $LE_y = 0$.</p> <p>Emission Reductions</p> <p>Based on the data above, the emission reduction value for the project activity is:</p> $ER_y = BE_y - PE_y - LE_y$ $ER_y = BE_y = 536,98 \text{ tCO}_2\text{e/yr}$ <p>The annual emission reduction value accounts to 53,698tCO₂e/year.</p>

D.3.7 Monitoring plan

Means of Project Verification	Desk Review and Interviews														
Findings	CL 05 and CAR 08 were raised, and findings are closed. Please refer to Appendix 4 for further details.														
Conclusion	<p>The approved baseline and monitoring methodology “ACM0002” version 21 /B02/ has been applied. The monitoring plan is in accordance with the monitoring methodology; the monitoring plan will give opportunity for real measurement of achieved emission reductions. methodology: the 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 available at the time of project verification (ex-ante) (Mention under section B.6.2 of the PSF) are:</p> <table border="1"> <thead> <tr> <th>Parameter</th> <th>Value</th> <th>Unit</th> <th>Assessment</th> </tr> </thead> <tbody> <tr> <td>Operating Margin CO₂ emission factor in year y of NCPG (EF_{grid,OM,y})</td> <td>0.9419</td> <td>tCO₂e/MWh</td> <td>The values are confirmed by checking with the calculation from the 2019 Annual Emission Reduction Projects China Regional Power Grid Baseline Emission Factors published by the Ministry of Ecology and Environment of the People's Republic of China /16/. This is the latest available data vintage is taken for the EF calculations. The simple OM is fixed ex-ante in line with the ‘tool to calculate the emission factor for an electricity system” Version 07.0.0 /B05/. Hence, accepted by the project verification team.</td> </tr> <tr> <td>Build Margin CO₂ emission factor in year y of NCPG (EF_{grid,BM,y})</td> <td>0.4819</td> <td>tCO₂e/MWh</td> <td>The values are confirmed by checking with the calculation from the 2019 Annual Emission Reduction Projects China Regional Power Grid Baseline Emission Factors published by the Ministry of Ecology and Environment of the People's Republic of China /16/. This is the latest available data vintage is taken for the EF calculations. Hence, accepted by the project verification team.</td> </tr> </tbody> </table>			Parameter	Value	Unit	Assessment	Operating Margin CO ₂ emission factor in year y of NCPG (EF _{grid,OM,y})	0.9419	tCO ₂ e/MWh	The values are confirmed by checking with the calculation from the 2019 Annual Emission Reduction Projects China Regional Power Grid Baseline Emission Factors published by the Ministry of Ecology and Environment of the People's Republic of China /16/. This is the latest available data vintage is taken for the EF calculations. The simple OM is fixed ex-ante in line with the ‘tool to calculate the emission factor for an electricity system” Version 07.0.0 /B05/. Hence, accepted by the project verification team.	Build Margin CO ₂ emission factor in year y of NCPG (EF _{grid,BM,y})	0.4819	tCO ₂ e/MWh	The values are confirmed by checking with the calculation from the 2019 Annual Emission Reduction Projects China Regional Power Grid Baseline Emission Factors published by the Ministry of Ecology and Environment of the People's Republic of China /16/. This is the latest available data vintage is taken for the EF calculations. Hence, accepted by the project verification team.
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	<p>Combined Margin CO₂ emission factor in year y of NCPG (EF_{grid,CM,y})</p>	<p>0.8269</p>	<p>tCO₂e/MWh</p>	<p>The values are confirmed by checking with the calculation from the 2019 Annual Emission Reduction Projects China Regional Power Grid Baseline Emission Factors published by the Ministry of Ecology and Environment of the People's Republic of China /16/. This is the latest available data vintage is taken for the EF calculations. in accordance with the Tool to calculate emission factor of an electricity system. The tool guides to take 75% weightage of EF_{grid, Om,y} simple, & 25% weightage of EF_{grid,BM,y}./B04/.Hence, accepted by the project verification team.</p>														
<p>Parameters that will be monitored (ex-post) (Mention under section B.7.1 and B.7.2 of the PSF are:</p>																		
<table border="1"> <thead> <tr> <th data-bbox="502 952 815 987">Parameter</th> <th data-bbox="815 952 948 987">Value</th> <th data-bbox="948 952 1038 987">Unit</th> <th data-bbox="1038 952 1425 987">Assessment</th> </tr> </thead> <tbody> <tr> <td data-bbox="502 987 815 2020"> <p>EG_{facility,y} (Net Electricity generated and delivered to the grid by the power plant in year y)</p> </td> <td data-bbox="815 987 948 2020"> <p>64,940</p> </td> <td data-bbox="948 987 1038 2020"> <p>MWh</p> </td> <td data-bbox="1038 987 1425 2020"> <p>The estimated net electricity generated is given, however, the value for the parameter will be verified through review of monthly meter reading records/17/</p> <p>There are two meters of type ZMQ202C for the project activity of 0.2s accuracy class (main meter and check meter) bidirectional meters are installed at the Pooling substation to measure and record the net electricity supplied to the grid. The meter details/17/ are provided below which was verified during the onsite visit/15/ of the project activity.</p> <table border="1" data-bbox="1045 1637 1386 1780"> <thead> <tr> <th>Type of Meter</th> <th>Serial Number</th> </tr> </thead> <tbody> <tr> <td>Main</td> <td>59262026</td> </tr> <tr> <td>Check</td> <td>59262025</td> </tr> </tbody> </table> <p>The calibration of the meters/17/ is being performed as per the national regulation or requirements set by the meter supplier or requirements set by the grid operators. The</p> </td> </tr> </tbody> </table>					Parameter	Value	Unit	Assessment	<p>EG_{facility,y} (Net Electricity generated and delivered to the grid by the power plant in year y)</p>	<p>64,940</p>	<p>MWh</p>	<p>The estimated net electricity generated is given, however, the value for the parameter will be verified through review of monthly meter reading records/17/</p> <p>There are two meters of type ZMQ202C for the project activity of 0.2s accuracy class (main meter and check meter) bidirectional meters are installed at the Pooling substation to measure and record the net electricity supplied to the grid. The meter details/17/ are provided below which was verified during the onsite visit/15/ of the project activity.</p> <table border="1" data-bbox="1045 1637 1386 1780"> <thead> <tr> <th>Type of Meter</th> <th>Serial Number</th> </tr> </thead> <tbody> <tr> <td>Main</td> <td>59262026</td> </tr> <tr> <td>Check</td> <td>59262025</td> </tr> </tbody> </table> <p>The calibration of the meters/17/ is being performed as per the national regulation or requirements set by the meter supplier or requirements set by the grid operators. The</p>	Type of Meter	Serial Number	Main	59262026	Check	59262025
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				calibration and verification for meters need to be conducted and maintained once in every 3 years. The same is consistent with the PSF/1/. The same has been confirmed during the onsite visit /15/ and crosschecked with the calibration reports/17/. The parameter will contribute to the SDG 7.
	Replacing fossil fuels with renewable sources of energy	64,940	MWh	The project activity will result in emission reduction by replacing the fossil fuels with renewable sources of energy. The same will be monitored and confirmed through the monthly generation records/29/
	CO ₂ Emissions	53,698	tCO ₂ e/year	The project activity will result in emission reduction. The same will be contributing toward the sustainable development goal SDG 13. The parameter will be monitored on monthly basis.
	Replacing fossil fuels with renewable sources of energy	At actual record	Mwh	The project activity will replace the use of energy from fossil fuel with renewable energy resources. The amount of electricity used by the plant will be monitored through generation and invoice details/29/
	Noise Pollution	At actual record	Numbers	Even though the noise generation is small, The project activity may generate Noise levels during the operation of the project activity from mechanical components such as transformer. Noise is controlled by meeting the requirements of Category 2 of the "Boundary Noise Emission Standard for Industrial Enterprises" (GB12348-2008)/31/
	Solid Waste Pollution from Hazardous Wastes	At actual record	Count of the wastes (tons/year)	The project activity may generate Hazardous waste during the operation of the project activity. Hazardous waste will be handled according to the national regulations: Hazardous Waste Storage Pollution Control Standard /30/; the same will be treated and disposed of as per

				the law. Hazardous waste quantity generated and disposed of will be continuously monitored and recorded in the Plant logbooks or records annually. The same will be issued at the time of verification.
	Solid Waste Pollution from end-of-life products/equipment	At actual record	Count of the wastes (tonnes/year)	The project activity may generate end-of-life products/equipment during the operation of the project activity. The same will be handled according to the national regulations: Solid Hazardous Waste Storage Pollution Control Standard /30/; the same will be treated and disposed as per the law. Solid waste (end of life products) generated will be collected continuously monitored and recorded in the hazardous waste register. The same will be issued at the time of verification.
	Solid Waste Pollution from E-Wastes	At actual record	E-waste generation (tonnes/year)	The project activity may generate E-waste during the operation of the project activity. E-wastes will be handled according to the national regulations: Hazardous Waste Storage Pollution Control Standard (GB 18597- 2001) /30 /; the same will be treated and disposed as per the law. Hazardous waste quantity generated and disposed of will be continuously monitored and recorded in the Plant logbooks or records annually. The records will be issued at the time of verification. The same is confirmed from the agreement between licensed third-party vendor /32 /.
	Long-term jobs (> 1 year) created	At actual record	Numbers	Project activity will generate long term local employment. This will be an indicator against sustainable development goal SDG 8. The parameter will be verified through employment records/28/.

	Reducing / increasing accidents/incidents/fatality	At actual record	Numbers	Cause of physical hazards in project sites due to human intervention or technical failure or emergency. Documents will be maintained and will be available during the issuance. Verification.
	Generation of wastewater	At actual record	Generation of wastewater per year	The project activity may generate wastewater by the use of cleaning of solar panels during the operation of the project activity. The use of consumption of water will be recorded and cleaned water will be used for greening in the solar power plant; the same will be treated and disposed as per the law. The records will be issued at the time of verification.
<p>The monitoring plan content has been checked in the project activity and compared against the requirements of the monitoring methodology /B02/. 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>				

D.4. Start date, crediting period and duration

Means of Project Verification	Desk Review and Interviews
Findings	CAR 09 were raised, and findings are closed. Please refer to Appendix 4 for further details.
Conclusion	<p>The start date of the project is 13/06/2017, which is the start date of commercial operation of the project /4/. Crediting period has been chosen as fixed 10 years from 13/06/2017 to 12/06/2027.</p> <p>A crediting period of a maximum length of 10 years has been selected by the project proponent. Therefore, the duration of the crediting period is from 13/06/2017 to 12/06/2027. Technical lifetime for the project activity is 25 years /11/. 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 03.1 /B01-1/.</p>

D.5. Environmental impacts

Means of Project Verification	Desk Review and Interviews
Findings	No findings in this section
Conclusion	<p>The project owners conducted Environmental Impact Assessment (EIA) in 11/2016. /26/in order to assess the impact from Solar Power Project. This is complying to the China environmental regulations and received approval Environmental Protection Administration on 21/11/2016 /27/.</p> <p>The project activity is complying to the following laws:</p> <ul style="list-style-type: none"> • Notice Regarding the Regulations for Electricity Generation from Renewable

	<p>Energy /63/</p> <ul style="list-style-type: none"> • Law of the People’s Republic of China on Renewable Energies /64/ • Approval and Implementation of Power Industry System Reform in China /69/ • Environmental Protection Law of the People’s Republic of China /36/. <p>The project has benefitted the local people by engaging them in construction, operation and maintenance activities during the project. Thus, the verification team confirms that there are no adverse impacts on environment due to the implementation of project activity. 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.</p>
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D.6. Local stakeholder consultation

Means of Project Verification	Desk Review and Interviews
Findings	CL 04 was raised, and findings are closed. Please refer to Appendix 4 for further details.
Conclusion	It has been indicated in the PSF /1/ that the local stakeholder consultation /10/ has been done for the project activity on 21/11/2016. The meeting announcement was done by putting on the local bulletin board. The same covers meeting location, date, time, and contact information/10/. A summary of comments has been provided by the project owner in the PSF/1/ and it is found that no adverse comment was received for the project activity. This has also been verified by CCIPL project verification team during site visit /15/. Further, the interviews confirmed that there was no adverse comment about the project and this project will lead to employment generation and better environmental conditions. CCIPL considers the local stakeholder consultation carried out adequately and can confirm that the process is in line with the requirements of GCC.

D.7. Approval and Authorization- Host Country Clearance

Means of Project Verification	Desk Review and Interviews
Findings	No findings in this section
Conclusion	The verification team confirms that no HC approval is required by the CORSIA labelled project activity till 31/12/2020, and the HCA will be required during the first or subsequent verification.

D.8. Project Owner- Identification and communication

Means of Project Verification	Desk Review and Interviews							
Findings	CL 02 and CAR 02 were raised, and findings are closed. Please refer to Appendix 4 for further details.							
Conclusion	<table border="1" style="width: 100%;"> <tr> <td style="background-color: #e0e0e0;">Organization name</td> <td>China Onecarbon Co., Ltd</td> </tr> <tr> <td style="background-color: #e0e0e0;">Country</td> <td>P.R.China</td> </tr> <tr> <td style="background-color: #e0e0e0;">Address</td> <td>1C, unit 10, building 9, shuixianyuan, Tongzhou District, Beijing</td> </tr> </table>		Organization name	China Onecarbon Co., Ltd	Country	P.R.China	Address	1C, unit 10, building 9, shuixianyuan, Tongzhou District, Beijing
Organization name	China Onecarbon Co., Ltd							
Country	P.R.China							
Address	1C, unit 10, building 9, shuixianyuan, Tongzhou District, Beijing							

	Telephone	
	E-mail	437213329@qq.com
	Website	
	Contact person	Siyuan LIU

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/09/.The project verification team has reviewed the business registration certificate/12/ of Inner Mongolia Energy Power Generation Investment Group Co., Ltd. Baotou Power Generation Branch with registration number 91150222318461069W (Date of establishment: 07/10/2014) and Inner Mongolia Energy Power Generation Investment Group Co., Ltd. Baotou Power Generation Branch has the legal ownership of the project. All information was consistent between these documents.

D.9. Global stakeholder consultation

Means of Project Verification	Desk Review and Interviews
Findings	No findings in this section
Conclusion	<p>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 20/11/2022 to 04/12/2022. During the above period no Global stakeholders' comments were received.</p> <p>PSF was published on the GCC website and invited comments by affected parties, stakeholders, and non-governmental organizations from 20/11/2022 to 04/12/2022. No comments were received during this period. The verification team confirm that no comments were received during the Global stakeholder consultation. Verification team is of the opinion that the changes in the PSF during the GCC Project Verification process do not require the publication of the revised PSF for global stakeholder consultation.</p>

D.10. Environmental Safeguards (E+)

Means of Project Verification	Desk Review and Interviews			
Findings	CAR 10 and CAR 11 were raised, and findings are closed. Please refer to Appendix 4 for further details.			
Conclusion	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.			
	Indicators for environmental impacts	Legal Requirement Status	Monitoring	Do no harm assessment

				Evaluation and Score
	Environment – Air; CO ₂ emissions	No mandatory law/regulation is related to the same.	The project is expected to reduce the CO ₂ emission throughout the crediting period/1/ /2/. The parameter will be monitored on monthly basis /1/. Calculation details provided in PSF/1/ and ER sheet/2/. The monitoring approach found acceptable.	Evaluation found Harmless. The same is acceptable to the GCC project verification team. Hence the scoring +1 is acceptable.
	Environment – Air; Noise Pollution	No mandatory law/regulation is related to the same	The project does not have Any mechanical transmission components during operation, and the noise source is only the transformer. Inverters and transformers are composed of electronic components, and the noise during operation is very small The noise can meet the Class 2 standard requirements of the "Noise Emission Standard at the Boundary of Industrial Enterprises" (GB12348- 2008). The same is confirmed from On-site visit/15/	Evaluation found Harmless. The same is acceptable to the GCC project verification team. Hence the scoring +1 is acceptable
	Environment – Land; Solid waste Pollution from Hazardous wastes (EL02)	Hazardous Waste Storage Pollution Control Standard" (GB 18597- 2001)/	The solid waste pollution from hazardous wastes comes from waste transformer oil, and it is temporarily stored in the hazardous	Evaluation found Harmless. The same is acceptable to the GCC project verification team. Hence the scoring +1 is acceptable.

			Waste temporary storage room after being collected by special facilities and treated by qualified company as per the "Hazardous Waste Storage Pollution Control Standard" (GB 18597- 2001)/30/; Hazardous waste quantity generated and disposed will be continuously monitored and recorded in the Plant logbooks or records. The same will be available during the issuance verification/06/.	
	Solid waste Pollution from E-wastes (EL04)	Hazardous Waste Storage Pollution Control Standard" (GB 18597- 2001)/	During the project activity, Waste PV Modules may be generated during the operation of PV power plants, these PV modules are collected and stored at specific locations, and are regularly collected by the special facility and treated by qualified company as per Hazardous Waste Storage Pollution Control Standard" (GB 18597- 2001)/	Evaluation found Harmless. The same is acceptable to the GCC project verification team. Hence the scoring +1 is acceptable.
	Environment – Solid waste Pollution from end-of-life products/ equipment (EL06)	Hazardous Waste Storage Pollution Control Standard" (GB 18597- 2001)/	The project activity may generate Waste PV modules during the operation of PV power plants, these PV modules are collected and stored at specific	Evaluation found Harmless. The same is acceptable to the GCC project verification team. Hence the scoring +1 is acceptable.

			locations, and are regularly collected by the special facility and treated by qualified company Law of the People's Republic of China on the Prevention and Control of Environmental Pollution /;. Hazardous waste quantity generated and disposed will be continuously monitored and recorded in the Plant logbooks or records. The same will be available during the issuance verification/06/.	
	Generation of wastewater	No mandatory law/regulation is related to the same.	The project activity may generate wastewater by the use of cleaning of solar panels during the operation of the project activity. The use of consumption of water will be recorded and cleaned water will be used for greening in the solar power plant ; the same will be treated and disposed as per the law. The records will be issued at the time of verification.	Evaluation found Harmless. The same is acceptable to the GCC project verification team. Hence the scoring +1 is acceptable.
	Replacing fossil fuels with renewable sources of energy	No mandatory law/regulation is related to the same.	The project activity will use very little amount of energy for operational use of the plant. The amount of	Evaluation found Harmless. The same is acceptable to the GCC project verification team.

			electricity used by the plant will be monitored by import energy in JMR. This is confirmed through JMR.	Hence the scoring +1 is acceptable.
<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 +7.</p>				

D.11. Social Safeguards (S+)

Means of Project Verification	Desk Review and Interviews			
Findings	CAR 10 and CAR 11 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/15/ 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>			
	Indicators for environmental impacts	Legal Requirement Status	Monitoring	Do no harm assessment Evaluation and Score
	Long-term jobs (> 1 year) created/lost (SJ01)	Host country minimal wage requirements	The Project activity generate long term local employment. This will be an indicator against sustainable development goal SDG 8. The parameter will be verified through employment records/28/.	Evaluation found Harmless. The same is acceptable to the GCC project verification team. Hence the scoring +1 is acceptable.
Reducing / increasing accidents/incidents/fatalities (SHS03)	No mandatory law/regulation is related to the same	Cause of physical hazards in project sites due to human intervention or technical failure or emergency. Documents will be maintained and	Evaluation found Harmless. The same is acceptable to the GCC project verification team. Hence the scoring +1 is acceptable.	

			will be available during the issuance. verification.	
	specialized training / education to local personnel (SE01	No mandatory law/regulation is related to the same	The project provided the job-related training, it can be verified from the training records and attendance sheet.	Evaluation found Harmless. The same is acceptable to the GCC project verification team. Hence the scoring +1 is acceptable
<p>Verification team will be able to confirms that Project activity will not cause any net harm to the society and net score for project activity comes out to be +3.</p>				

D.12. Sustainable development Goals (SDG+)

Means of Project Verification	Desk Review and Interviews											
Findings	CAR 10, CAR 11 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 United Nations Sustainable Development Goals (SDG+). 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 project owner 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> <table border="1" data-bbox="502 1323 1481 2029"> <thead> <tr> <th>UN- level SDGs</th> <th>Monitoring</th> <th>Do no harm assessment Evaluation and Score</th> </tr> </thead> <tbody> <tr> <td>Goal 7. Ensure access to affordable, reliable, sustainable and modern energy for all</td> <td>The project activity that commissioned on 13/06/2017 continues to provide clean energy to the global energy mix, thereby complying with the SDG target 7.2 The same is confirmed from the commissioning certificate/04/, PPA/06/ and monitored throughout the technical lifetime of the project activity.</td> <td>Project Owner meets the requirement of UN- level SDG goal. The same is acceptable to the GCC project verification team.</td> </tr> <tr> <td>Goal 8. Promote sustained, inclusive and sustainable economic growth, full and productive</td> <td>The project activity is found to be generating employment opportunities thereby complying to the SDG target 8.5. The same is monitored and confirmed</td> <td>Project Owner meets the requirement of UN- level SDG goal. The same is acceptable to the GCC project verification team.</td> </tr> </tbody> </table>			UN- level SDGs	Monitoring	Do no harm assessment Evaluation and Score	Goal 7. Ensure access to affordable, reliable, sustainable and modern energy for all	The project activity that commissioned on 13/06/2017 continues to provide clean energy to the global energy mix, thereby complying with the SDG target 7.2 The same is confirmed from the commissioning certificate/04/, PPA/06/ and monitored throughout the technical lifetime of the project activity.	Project Owner meets the requirement of UN- level SDG goal. The same is acceptable to the GCC project verification team.	Goal 8. Promote sustained, inclusive and sustainable economic growth, full and productive	The project activity is found to be generating employment opportunities thereby complying to the SDG target 8.5. The same is monitored and confirmed	Project Owner meets the requirement of UN- level SDG goal. The same is acceptable to the GCC project verification team.
UN- level SDGs	Monitoring	Do no harm assessment Evaluation and Score										
Goal 7. Ensure access to affordable, reliable, sustainable and modern energy for all	The project activity that commissioned on 13/06/2017 continues to provide clean energy to the global energy mix, thereby complying with the SDG target 7.2 The same is confirmed from the commissioning certificate/04/, PPA/06/ and monitored throughout the technical lifetime of the project activity.	Project Owner meets the requirement of UN- level SDG goal. The same is acceptable to the GCC project verification team.										
Goal 8. Promote sustained, inclusive and sustainable economic growth, full and productive	The project activity is found to be generating employment opportunities thereby complying to the SDG target 8.5. The same is monitored and confirmed	Project Owner meets the requirement of UN- level SDG goal. The same is acceptable to the GCC project verification team.										

	employment and decent work for all	from employment records/28/	
	Goal 13. Take urgent action to combat climate change and its impacts.	The project activity reduces greenhouse gas annually by 53,698 tCO _{2e} meeting the SDG target 13.2. The same is confirmed from the ER sheet/02/ and monthly electricity generation report.	Project Owner meets the requirement of UN- level SDG goal. The same is acceptable to the GCC project verification team.
An appropriate monitoring plan has been put in place for the elements. The project has achieved a certification label of silver.			

D.13. Authorization on Double Counting from Host Country (for CORSIA)

Means of Project Verification	Desk Review and Interviews
Findings	CAR 03 and FAR 01 were raised, and findings are closed. 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 13/06/2017 to 12/06/2017.</p> <p>The host country attestation is yet to be obtained for authorization on double counting. The project owner has clarified the intent of use of carbon credits for CORSIA hence no double counting will take place.</p>

D.14. CORSIA Eligibility (C+)

Means of Project Verification	Desk Review and Interviews
Findings	CAR 03 and FAR 01 were raised, and findings are closed. Please refer to Appendix 4 for further details.
Conclusion	<p>The project activity meets eligible criteria for CORSIA (C+) 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 under CORSIA.</p> <p>The verification team confirms that project activity is also likely to achieve following eligibility requirement:</p> <ol style="list-style-type: none"> 1) The Project Activity will result in GHG emission reductions as a result of implementation of the GCC project activity 2) Likely to achieve Environmental No-net harm (E+ label) as discussed in section D.10. 3) Likely to achieve Social No-net harm (S+ label) as discussed in section D.11. 4) Likely to achieve SDG+ label with Silver Certification label. <p>“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 23-25, 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</p>

	emissions during all phases of CORSIA and therefore requests GCC Steering Committee to append CORSIA Certification label (C+) to this project”.
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Section E. Internal quality control

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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.

Section F. Project Verification opinion

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CC IPL was contracted by China Onecarbon Co., Ltd for project verification of the project activity “Baotou Hongnijing 40MW Solar Power Project” on 15/05/2023. The project verification was performed based on rules and requirements defined by GCC for the project activity.

The project activity is a solar power project, which results in reductions of CO_{2e} 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 approved baseline and monitoring ACM0002 “Grid-connected electricity generation from renewable sources”, Version 21.0 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 (annual average) from the project activity are estimated to be 53,698 tCO_{2e} /year over the 10 years crediting period starting from 13/06/2017.

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.

- The desk review of documents and evidence submitted by the project owner in context of the reference

Project Verification Report

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 "Baotou Hongnijing 40MW Solar Power Project".


- a) Has correctly described the Project Activity in the Project Submission Form including the applicability of the approved methodology ACM0002, version 21.0 and meets the methodology applicability conditions, is additional and is expected to achieve the forecasted real 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 536,980 tCO_{2e} 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 No-net-harm Label (S+); and
- d) is likely to contribute to the achievement of United Nations Sustainability 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
BM	Build Margin
CAR	Corrective Action Required
CC IPL	Carbon Check India) Private Limited
CDM	Clean Development Mechanism
CL	Clarification Request
CM	Combined Margin
CORSIA	Carbon Offsetting and Reduction Scheme for International Aviation
DPP	Distributed Power Plants
DR	Document Review
E+	Environmental No net harm Label
EIA	Environmental Impact Assessment
EKI	EKI Energy Services Limited
ESIA	Environmental and Social Impact Assessment
EPC	Engineering Procurement and Construction
ERV R	Emission Reduction Verification Report
FAR	Forward Action Request
GCC	Global Carbon Council
GHG	Greenhouse Gas
GORD	Gulf Organization for Research and Development
GPS	Global Positioning System
GV	GCC Verifier
GWP	Global Warming Potential
HCA	Host Country Approval
I	Interview
IPCC	Intergovernmental Panel on Climate Change
ISO	International Organization for Standardization
LCMR	Low Cost Must Run
MENA	Middle East & North Africa
NCPG	North China Power Grid
NREL	National Renewable Energy Laboratory
O&M	Operation and Maintenance
OM	Operating Margin
PPA	Power Purchase Agreement
PSF	Project Submission Form
PVR	Project Verification Report
S+	Social No- net harm Label
SCADA	Supervisory Control And Data Acquisition
SDG+	United Nation Sustainable Development Goal Label
UNFCCC	United Nations Framework Convention on Climate Change
UNIDO	United Nations Industrial Development Organization
USPP	Utility Scale Power Plant
VAT	Value Added Tax
VB	Verification Body

Appendix 2. Competence of team members and technical reviewers

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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/IEC 14065:2020, 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 checked="" type="checkbox"/> TA 13.1	<input checked="" 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
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 Mr. Vikash Kumar Singh Compliance Officer	 Mr. Amit Anand CEO
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CCIPL_FM 7.9 Certificate of Competency_V2.1_012023



Carbon Check (India) Private Limited

Certificate of Competency

Ms. Nara Shen Yan

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 type="checkbox"/> Team Leader | <input checked="" 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 China | | |

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 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

1st January 2023

Expiry Date

31st December 2023

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/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 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 checked="" 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

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	Inner Mongolia Energy Power Generation Investment Group Co., Ltd. Baotou Power Generation Branch	PSF: Baotou Hongnijing 40MW Solar Power Project	Initial Review: Version 02, Dated 14/10//2022. Final Version: Version 08 Dated 14/11/2023.	Project Owner
2	Inner Mongolia Energy Power Generation Investment Group Co., Ltd. Baotou Power Generation Branch	Emission reduction calculation spread sheet		Project Owner
3	Inner Mongolia Energy Power Generation Investment Group Co., Ltd. Baotou Power Generation Branch	Financial analysis worksheet, IRR-Baotou Hongnijing 40MW Solar Power Project		Project Owner
4	Inner Mongolia Energy Power Generation Investment Group Co., Ltd. Baotou Power Generation Branch	Quality Supervision Report	Dated: 27/06/2017	Project Owner
5	Inner Mongolia Energy Power Generation Investment Group Co., Ltd. Baotou Power Generation Branch	Feasibility Study Report	Dated 05/2016	Project owner
6	Inner Mongolia Energy Power Generation Investment Group Co., Ltd. Baotou Power Generation Branch	Power Purchase Agreement		Project Owner
7	Inner Mongolia Energy Power Generation Investment Group Co., Ltd. Baotou Power Generation Branch	EPC Contract	Dated: 14/2016	Project Owner
8	Inner Mongolia	Investment Decision Meeting	Dated: 07/11/2016	Project

Project Verification Report

	Energy Power Generation Investment Group Co., Ltd. Baotou Power Generation Branch	Document		Owner
9	Inner Mongolia Energy Power Generation Investment Group Co., Ltd. Baotou Power Generation Branch	Letter of Authorization as an Evidence for the relationship in between Inner Mongolia Energy Power Generation Investment Group Co., Ltd. Baotou Power Generation Branch and China Onecarbon Co., Ltd	Dated: 2021	Project Owner
10	Inner Mongolia Energy Power Generation Investment Group Co., Ltd. Baotou Power Generation Branch	Supportive documents on local stakeholder consultation	Dated: 21/11/2016	Project Owner
11	Inner Mongolia Energy Power Generation Investment Group Co., Ltd. Baotou Power Generation Branch	Technical Specification	a	Project Owner
12	Inner Mongolia Energy Power Generation Investment Group Co., Ltd. Baotou Power Generation Branch	Business Certificate		Publicly available
13	Inner Mongolia Energy Power Generation Investment Group Co., Ltd. Baotou Power Generation Branch	O & M agreement		Project Owner
14	Inner Mongolia Energy Power Generation Investment Group Co., Ltd. Baotou Power Generation Branch	Purchase Order		Project Owner
15	CC IPL	Onsite visit documents dated 26/06/2023	Dated 26/06/2023	CC IPL
16	Ministry of Ecology and Environment of the People's Republic of China	2019 Annual Emission Reduction Projects China Regional Power Grid Baseline Emission Factors https://www.mee.gov.cn/ywgz/ydq/hbh/wsqtgz/202012/t20201229_81	2019	Publicly available

Project Verification Report

		5386.shtml		
17	Inner Mongolia Energy Power Generation Investment Group Co., Ltd. Baotou Power Generation Branch	Meter Details: Main and Check meter		Project Owner
18	State Power Corporation of China	Interim Rules on Economic Assessment of Electrical Engineering Retrofit Projects Microsoft Word - Annex 1a.doc (unfccc.int)	2002	Publicly Available
19	Inner Mongolia Environmental Protection Department	Approval of the environmental impact statement		Project Owner
20	State Council of China	Provisional Regulations of the People's Republic of China on Value Added Tax, [1993] No.134 http://www.asianlii.org/cn/legis/cen/laws/prov365/	1993	Project Owner
21	ICAO	CORSIA eligibility https://www.icao.int/environmental-protection/CORSIA/Pages/TAB.aspx		Publicly Available
22	Ministry of Justice of the People's Republic of China	Law of People's Republic of China on Enterprise Income Tax, President decree No.63 http://www.gov.cn/flfg/2007-03/19/content_554243.htm		Publicly Available
23	State Tax Bureau of China	Notice on Determination of Residual Rate for Enterprise Fixed Asset, Guo Shui Han [2005] No.883 http://www.chinatax.gov.cn/n8136506/n8136563/n8193451/n8193526/n8194270/8245508.html	2005	Publicly Available
24	State Council of China	Depreciation Rates Implementation Rules of Enterprise Income Tax Law of People's Republic of China, State Council Document No.512 http://www.gov.cn/zwgk/2007-		Publicly Available

Project Verification Report

		12/11/content_830645.htm		
25	State council of China	Provisional Regulations of the People's Republic of China on Urban Maintenance and Construction Tax, Guo Fa [2016] No.280 国家税务总局关于撤县建市城市维护建设税具体适用税率的批复 (qq.com)		Publicly Available
26	State Environmental Protection Administration	Environmental Impact Assessment	2016	Others
27	State Environmental Protection Administration	Approval of Environmental Impact Assessment Report	2016	Project Owner
28	Inner Mongolia Energy Power Generation Investment Group Co., Ltd. Baotou Power Generation Branch	1) Employment details related to the project activity 2) Salary details of employees associated with the project activity 3) Training details of employees related to the project activity.		Project Owner
29	Inner Mongolia Energy Power Generation Investment Group Co., Ltd. Baotou Power Generation Branch	Generation and Invoice Records		Project Owner
30	National Standards of Republic of China	Hazardous Waste Storage Pollution Control Standard" (GB 18597- 2001 https://www.mee.gov.cn/ywgz/fgbz/bz/bzwb/gthw/wxfwjfbfz/202302/W020230224679408713470.pdf	2001	Publicly available
31	National Standards of Republic of China	Boundary Noise Emission Standard for Industrial Enterprises" (GB12348- 2008)	2008	Publicly available
32	Inner Mongolia Smart Operation and Maintenance New Energy Co., Ltd	Hazardous waste agreement		Project Owner
33	State Council of China	Renewable Energy Law of the People's Republic of P.R. China http://www.gov.cn/ziliao/flfg/2005-06/21/content_8275.htm		Publicly available

Project Verification Report

34	State Council of China	The State Council on promoting the healthy development of photovoltaic industry		Publicly available
35	State Council of China	Measures for the administration of the development and construction of photovoltaic power stations		Publicly available
36	Standing Committee of the Seventh National People's Congress	Environmental Protection Law of the People's Republic of China http://www.law-lib.com/law/law_view.asp?id=6229		Publicly available
37	Inner Mongolia Energy Power Generation Investment Group Co., Ltd. Baotou Power Generation Branch	The list of projects considered for the common practice analysis.		Others
38	Inner Mongolia Energy Power Generation Investment Group Co., Ltd. Baotou Power Generation Branch	Loan Agreement		Project owner
39	Inner Mongolia Energy Power Generation Investment Group Co., Ltd. Baotou Power Generation Branch	Technology Agreement		Project owner
40	Inner Mongolia Energy Power Generation Investment Group Co., Ltd. Baotou Power Generation Branch	Approval of FSR		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 3 5. Project-Sustainability-Standard, version 3.1 6. GCC clarification no.1, Version 1.2		Others
B02	UNFCCC	CDM Methodology: ACM0002: Grid-connected electricity generation from renewable sources, version 21		Others

Project Verification Report

B03	GCC	PSF template, V4		Others
B04	UNFCCC	Methodological tool 01: Tool for the demonstration and assessment of additionality, Version 07		Others
B05	UNFCCC	Methodological tool 07: Tool to calculate the emission factor for an electricity system, version 07		Others
B06	UNFCCC	Methodological tool 27: Investment analysis, version 12		Others
B07	UNFCCC	Methodological tool 24: Common practice, version 3.1		Others
B08	UNFCCC	Methodological Tool 10: Tool to determine the remaining lifetime of equipment, version 1.0		

Appendix 4. Clarification request, corrective action request and forward action request

Table 1. CLs from this Project Verification

CL ID	01	Section no.	D.3.1	Date: 26/07/2023
Description of CL				
<p>8. <i>Background: The projects requesting for registration using the CDM methodology: "Grid-connected electricity generation from renewable sources --- Version 20" could be submitted until 30 Jun 2023 23:59:59 GMT.</i></p> <p><i>The latest version of CDM methodology: ACM0002: Grid-connected electricity generation from renewable sources --- Version 21.0 is available. Project owner is requested to modify or provide justification for the same not being used.</i></p> <p>2) <i>The latest version of Tool 27 (Investment Analysis version-12.0.) is available. Project owner is requested to modify or clarify why the same not being used.</i></p> <p><i>Further Project owner is requested to provide the investment decision date in the PSF.</i></p>				
Project Owner's response				Date: 11/08/2023
<ul style="list-style-type: none"> • <i>Reply: The version number of ACM0002 in PSF has been changed to version 21.0</i> • <i>Reply: tool27 version number updated to version 12.0</i> • <i>Reply: The schedule of major events of the project has been supplemented in item B.5</i> 				
Documentation provided by the Project Owner				
<i>Investment Decision Meeting</i>				
GCC Project Verification Assessment				Date: 11/09/2023
<p>1.The eligibility criteria and justification provided for the methodology ACM0002, Version 21.0 in the section B.2 is not provided. Project owner is requested to justify the choice of the selected methodologies and tools as per paragraph 19 of the PSF filling guidelines.</p> <p>2.Project owner has revised the PSF and are found acceptable. Hence this part of CL is closed.</p> <p>The project requires more details in the corresponding sections. Hence CL 01 is open.</p>				
Project Owner's response				Date: 13/10/2023
1The eligibility criteria and justification provided for the methodology ACM0002, Version 21.0 in the section B.2 is provided.				
Documentation provided by the Project Owner				
1.We have made modifications to the corresponding sections of the PSF				
GCC Project Verification Assessment				Date: 15/10/2023
Project owner has revised the PSF. The details provided by the project owner are found appropriate. Therefore, the project verification has accepted the same. Hence CL 01 is closed.				

CL ID	02	Section no.	D.8/D.2	Date: 26/07/2023
Description of CL				
<p><i>The Focal Point of Project Owners*(FP) is not consistent with the project owner given in the paragraph 7 of the LOA. Project owner is requested to clarify the same.</i></p> <p><i>Project Owner is requested to revise to the latest LOA template available in the GCC Website.</i></p>				

The location of the project provided in the PSF is not consistent with the location of the project in LOA. Project owner is requested to the make consistent or provide justification for the same.

Project owner have not provided list of all the project owners in the Appendix 01 as per the LOA. Project owner is requested to comply with the paragraph 12 of the PSF filling guidelines.

Project owner has considered the start date as 13/06/2017, the evidence provided to support the same is Quality supervision and inspection report before operation. project owner is requested to justify how the same is meeting the requirements of project start date of GCC as the title says the Quality supervision and inspection report before operation.

Project Owner's response	Date: 11/08/2023
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- *Reply: The information on the LOA is correct, but we cannot modify the information on the GCC portal at this time.*
- *Reply: LOA has been modified to the latest template*
- *Reply: The location of LOA project has been changed to be consistent with the evidence materials*
- *Reply: PP has been added to PSF Annex 1 form*
- *Reply: This is because of a mistake in the translation of the file name. The quality supervision and inspection report was released on June 27, 2017. In this report, it is clear that the project began to run on June 13, 2017, so June 13, 2017 is defined as the start time of the project, which is in line with the definition of GCC on the start time of the project*

Documentation provided by the Project Owner
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LOA, PSF

GCC Project Verification Assessment	Date: 11/09/2023
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1. The passport number provided for Project owner 1 seems not incorrect. Project owner is requested to provide a valid passport number and passport details issued by the country.
2. a) Project owner is requested to provide scanned version of LOA as per GCC requirements
b) All pages of LOA must be signed by all primary and secondary contact person of all entities including Legal owners, all Project owners and Focal point. Project owner is requested to revise the same.
3. Project owner has revised the PSF. Hence the details provided is found acceptable. Hence this part of the CL is closed.
4. Project owner has revised the PSF. Hence the details provided is found acceptable. Hence this part of the CL is closed.
5. The justification provided by the project owner is acceptable. Hence this part of CL is closed.

the project requires more details on the corresponding sections. Hence CL 02 is open.

Project Owner's response	Date: 13/10/2023
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We have made modifications to the corresponding sections of the PSF

Documentation provided by the Project Owner
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GCC Project Verification Assessment	Date: 15/10/2023
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Project owner has revised LOA. The LOA provided by the project owner are found appropriate. Therefore, the project verification team has accepted the same. Hence CAR 02 is closed.

CL ID	03	Section no.	D.11	Date: 26/07/2023
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Description of CL

Background: the requirements of paragraph 12 and 13 of the GCC Environment and Social Safeguards Standard version 03.

<i>Project owner is requested to provide clarification on how the social safeguard indicators viz. long-term jobs, specialized training /education to local personnel, project related knowledge dissemination effective or not are selected. Project owner needs to clarify, how appropriate these indicators are with respect to the project activity, while doing so please provide credible evidence related to the social safeguard assessment.</i>	
Project Owner's response	Date: 11/08/2023
1. Reply: During the operation of the project, 13 employees were employed (see roster of employees), the number of employees will be monitored annually, the training of employees during the operation of the project, and the dissemination of renewable energy-related technologies (see training photos), all these factors are the real occurrence of the project, which is a positive impact	
Documentation provided by the Project Owner	
roster, training records	
GCC Project Verification Assessment	Date: 25/09/2023
1. The number of employees provided in the section E.2 of the PSF is not consistent the employment records provided by the Project owner. Project owner is requested to clarify the same. 2. Project owner is requested to provide attendance registers or attendance forms etc as a supportive document for the training records. 3 . For the parameter, "Project related knowledge dissemination effective or not", PO has submitted training records as supportive evidence. PO is requested to Justify how the project will improve knowledge dissemination, since it is different from the project related trainings. Further, monitoring plan is not provided for the same parameter. The project requires more details on the corresponding section. Hence CL 03 is open.	
Project Owner's response	Date: 13/10/2023
1. We have resubmitted the roster 2. We have provided minutes of employee training meetings 3. We have deleted this parameter	
Documentation provided by the Project Owner	
GCC Project Verification Assessment	Date: 16/10/2023
1. Project owner has revised the PSF and provided supportive document for the same. Therefore, the project verification team has accepted the same. Hence this part of CL is closed. • Project owner has provided the supportive documents for training records and are found appropriate. Hence this part of CL is closed. Project owner has revised the PSF. The details provided by the project owner are found appropriate. Therefore, the project verification team has accepted the same. Hence CL 03 is closed.	

CL ID	04	Section no.	D.6	Date: 26/07/2023
Description of CL				
<i>In the supportive documents provided by the project for Local Stakeholder consultation, the date of the same is not clear. Project owner is requested to provide supportive documents for the local stakeholder consultation of the project. Project Owner is requested to provide supportive documents/evidence as per paragraph 71 to 73 of the GCC PSF Filling instructions viz. minutes of the meeting, invitation details, attendance details, photograph etc related to Local stakeholder consultation.</i>				

Project Owner's response	Date: 11/08/2023
1.Reply: Minutes and sign-up form have been added to Evidence folder 18	
Documentation provided by the Project Owner	
Stakeholder meeting sign-up form, Stakeholder questionnaire, The Local stakeholders meeting	
GCC Project Verification Assessment	Date: 21/07/2023
Project owner has provided the supportive documents and are found acceptable. However, Project owner is also requested to provide photographic evidence. Hence CL 04 is open.	
Project Owner's response	Date: 13/10/2023
We have submitted the documents	
Documentation provided by the Project Owner	
GCC Project Verification Assessment	Date: 15/10/2023
Project owner has provided the requested documents and are found appropriate. Therefore, the project verification team has accepted the same. Hence CL 04 is closed.	

CL ID	05	Section no.	D.3.7	Date: 26/07/2023
Description of CL				
/ The data parameter 14 provided in section B 7.1 of the PSF is not clear on what data parameter is mentioned. Project Owner is requested to clarify the same.				
Project Owner's response				Date: 11/08/2023
1.Reply: The data parameter 14 provided in section B 7.1 of the PSF is modified				
Documentation provided by the Project Owner				
GCC Project Verification Assessment				Date: 25/09/2023
Project owner has revised the PSF. However, Project owner has provided those aspects which are assessed to have a negative impact on the environment and society in the section B.7.1 of the PSF. As per the paragraph 13 d(v) of section 4.2 of the Environment and Social Safeguards Standard V3.0, it states that "All aspects which are assessed to have a positive impact on the environment and society shall list the monitoring parameters under section B.7.1 of the PSF. All those aspects which are assessed to have a negative impact on the environment and society, irrespective of whether they have been assessed to be "harmless" or "harmful", shall include the monitoring parameters under section B.7.2 of the PSF document". Project owner shall comply the same.				
The Project requires revision in the corresponding section. Hence CL 05 is open.				
Project Owner's response				Date: 25/09/2023
1.We added monitoring parameters under section B.7.1 and B.7.2 of the PSF document"				
Documentation provided by the Project Owner				
GCC Project Verification Assessment				Date: 16/10/2023
Project owner has revised the PSF. The details provided by the project owner are found appropriate. Therefore, the project verification team has accepted the same. Hence CL 05 is closed				

CL ID	06	Section no.	D.12	Date: 27/07/2023
Description of CL				
<ul style="list-style-type: none"> The number of SDGs mentioned in the section A.1 of the PSF is not consistent with the number of SDG mentioned in the section F of the PSF. Project Owner is requested to clarify/make consistent with the same. The description provided in the column "Project-level SDGs" of the Goal number 07 mentions electricity generated from wind source which is not consistent with the project activity. Further the 				

<i>start date provided in the column "Project-level Targets/Actions" is not consistent with the start date provided in section C.1 of the PSF. Project owner is requested to clarify the same.</i>	
Project Owner's response	Date: 11/08/2023
<ul style="list-style-type: none"> • Reply: The number of SDG mentioned in these two parts is consistent • Reply: Clerical error has modified the project start date of this part to 13/06/2017 (Change psf sdg7 (a1.1F) F SDG7 start time should be 2017.06.13) 	
Documentation provided by the Project Owner	
GCC Project Verification Assessment	Date: 25/09/2023
<p>1.Project owner has revised the same and found acceptable. Hence this part of CL is closed.</p> <p>2.Project owner has revised the PSF. However, the description provided in the column "Project-level SDGs" of the Goal number 07 mentions electricity generated from wind source which is not consistent with the project activity (since it is solar power project).</p> <p>The project requires more details on the corresponding section. Hence CL 06 is open</p>	
Project Owner's response	Date: 13/10/2023
We have made modifications to the corresponding sections of the PSF.	
Documentation provided by the Project Owner	
1.We have corrected it	
GCC Project Verification Assessment	Date: 15/10/2023
Project owner has revised the PSF. The details provided by the project owner are found appropriate. Therefore, the project verification team has accepted the same. Hence CL 06 is closed.	

CL ID	07	Section no.	D.3.5	Date: 27/07/2023
Description of CL				
<p><i>Project owner is requested to provide evidence for:</i></p> <ul style="list-style-type: none"> • <i>Input value used for the investment analysis.</i> • <i>Project owner is requested to provide the following documents like supportive document for actual project cost, purchase order, power purchase agreement till date, factory license, land lease license, O & M agreements, loan agreements and sanction agreements, MR, etc.</i> <p><i>Further, Project owner is requested to provide all the documents as stated in annexure 1 of VVB plan.</i></p> <ul style="list-style-type: none"> • <i>Third party energy yield assessment report for PLF considered for ER estimation and for Investment analysis.</i> • <i>Project owner is requested to provide the supportive documents and references related to common practice analysis.</i> • <i>The calculation done in common practice analysis is not accurate and PO is requested to correct the same. PO is requested to provide the input parameters that mentioned in the IRR, in the PSF as well.</i> • <i>Project owner is requested to comply to the requirements of paragraph 49 and 50 of the GCC project standard Version 3.1 and paragraph 10 & 16 of CDM Methodological tool: TOOL27: Investment analysis</i> 				
Project Owner's response				Date: 11/08/2023
<p>(b) Reply: From FSR, already provided in folder 3</p> <p>(c) Reply: Verified VVB Annex I material content (final statistics) has been provided in accordance with the documents described in Annex 1 of the VVB Plan in floder hongnijing.</p> <p>(d) Reply: From FSR, already provided</p> <p>(e) Reply: 4.Similar project list and the step-by-step demonstration has been provided in the PSF for common practice analysis, with all supporting evidence.</p> <p>(f) Reply: Modified in section B.5,and already provided FSR in folder 3</p> <p>(g) Reply: The schedule of major events of the project has been supplemented in item B.5</p>				
Documentation provided by the Project Owner				
FSR				

GCC Project Verification Assessment		Date: 26/09/2023
<ul style="list-style-type: none"> Project owner is requested to provide data source grid emission factor, unit price of carbon credit, The deductible equipment value-added tax. Project owner is requested to provide the source of data for the same. Project owner has provided the details and are found acceptable. Hence this part of CL is closed. Project owner has provided the details. The details provided by the project owner are found appropriate. Hence this part of the CL is closed. Project owner is requested clarify on what basis the start date is taken. Project owner is requested to provide justification to prove the project is additional as per paragraph 18 section 5 of tool 24 common practice, version 03.1. Project owner has complied to GCC project standard Version 3.1 and CDM Methodological tool: TOOL27: Investment analysis. Hence this part of CL is closed. <p>The project requires more information on the corresponding sections. Hence CL 07 is open.</p>		
Project Owner's response		Date: 25/09/2023
<p>We have provided evidence files for baseline emission factors in evidence folder 14, and the deductible value-added tax for equipment is calculated based on the purchase price of the equipment.</p> <p>4.We have made modifications to the corresponding sections of the PSF</p> <p>5.We have made modifications to the corresponding sections of the PSF</p>		
Documentation provided by the Project Owner		
GCC Project Verification Assessment		Date: 15/10/2023
<p>Project owner has revised the PSF. The details provided by the project owner are found appropriate. Therefore, the project verification team has accepted the same. Hence CL 07 is closed.</p>		

CL ID	08	Section no.	D.3.5	Date: 27/07/2023
Description of CL				
<ul style="list-style-type: none"> <i>PO is requested to provide the references of rules, laws and regulations applicable to the project activity in order to prove the project is not enforced by law.</i> <i>Start date and chronology should be mentioned properly without missing any major event. i.e., PO shall include the major event such as investment date, purchase date etc. in a chronological order.</i> <i>Project owner shall provide the outcome of Outcome of Step 1a as per paragraph 23 of the section 4.2.1 of the TOOL01 Methodological tool: Tool for the demonstration and assessment of additionality Version 07.0.0</i> <i>Project owner shall provide the outcome of Outcome of Step 1a as per paragraph 23 of the section 4.2.1 and the outcome of Outcome of Step 1b as per paragraph 27 of the section 4.2.2 of the TOOL01 Methodological tool: Tool for the demonstration and assessment of additionality Version 07.0.0</i> <i>The values provided in the input parameters need to be consistent with that of IRR. Also, PO is requested to provide the input parameters that mentioned in the IRR, in the PSF as well. PO is requested to correct the same.</i> <i>The IRR sheet parameters are not linked while calculating IRR and sensitive analysis. Project owner should link all the values in order to check the sensitive analysis.</i> 				

<ul style="list-style-type: none"> The benchmark of Project IRR (after tax) is taken as per in the Chinese power generation industry. However, PO has used the value of year 2003. Po is requested to clarify how the same is still applicable since the date of investment decision is 2016 	
Project Owner's response	Date: 11/08/2023
<ul style="list-style-type: none"> Reply: According to Article 13 of Chapter 4 of the document in Document 23 of the Evidential materials Folder, the State encourages and supports the grid connection of renewable energy, so it is not mandatory Reply: The schedule of major events of the project has been supplemented in item B.5 Reply: The results of step 1a on page 25 of the PSF are provided Reply: The results of step 1b on page 25 of PSF have been provided Reply: Parameters are consistent with feasibility Reply: The IRR sheet parameters are linked while calculating IRR and sensitive analysis Reply: At present, the latest version of the IRR benchmark of China's construction projects is the 2003 version of the document, there is no updated document and the notice of the cancellation of the 2003 version of the document (refer to the GCC registered documents again, there is no relevant reply) 	
Documentation provided by the Project Owner	
FSR	
GCC Project Verification Assessment	Date: 25/09/2023
<p>1. Project owner is requested to provide the local environmental laws and regulations in the PSF to prove that the project is not enforced by law.</p> <p>2. Project owner has provided the details and are found acceptable. Hence this part of CL is closed.</p> <ul style="list-style-type: none"> (i) Project owner is requested to describe the identified alternatives to the project briefly. In doing so, Project owner is also requested to comply with the paragraph 22 of section 4.2.1 of the TOOL01 Methodological tool: Tool for the demonstration and assessment of additionality, Version 07.0.0. Project owner has still not provided the Outcome of Step 1a as per paragraph 23 of the section 4.2.1 of the TOOL01 Methodological tool: Tool for the demonstration and assessment of additionality Version 07.0.0. Project owner is requested to provide the same. Project owner is requested to provide the local environmental laws and regulations. To prove the consistency with mandatory laws and regulation in the sub step 1b ii) the Outcome of Step 1b is not provided in the section. Project owner is requested to Outcome of Step 1b as per paragraph 27 of the section 4.2.2 of the TOOL01 Methodological tool: Tool for the demonstration and assessment of additionality Version 07.0.0 <p>5. Project owner is requested to maintain consistency of the name and values of the parameters provided in the PSF with the IRR. Also, project owner is requested to provide all the parameters used in the IRR calculation in the PSF.</p> <p>6. Project owner has revised the IRR and found acceptable. Hence this part of CL is closed.</p> <p>7. The justification provided by the project owner are found acceptable. Same is crosschecked with the similar approved GCC projects. Hence this part of CL is closed.</p> <p>The project requires more details in the corresponding sections. Hence CL 08 is open.</p>	
Project Owner's response	Date: 25/09/2023
<p>1. We have made modifications to the corresponding sections of the PSF</p> <p>3. We have made modifications to the corresponding sections of the PSF</p> <p>4. We have made modifications to the corresponding sections of the PSF</p>	

5.We have made modifications to the corresponding sections of the PSF			
Documentation provided by the Project Owner			
GCC Project Verification Assessment			Date: 15/10/2023
Project Owner has revised the PSF, and the details provided by the project owner are found appropriate. Therefore, the project verification team has accepted the same. Hence CL 08 is closed.			
CL ID	09	Section no.	D.1
Date: 28/09/2023			
Description of CL			
<ul style="list-style-type: none"> <i>New template for PSF is available and PO is requested to use the updated template in the GCC website.</i> <i>PO is requested to clarify how the project activity is meeting the eligibility criteria to submit as A2 type project as per the requirements of GCC.</i> 			
Project Owner's response			Date: 13/10/2023
2.We have made modifications to the corresponding sections of the PSF			
Documentation provided by the Project Owner			
<i>Revised PSF</i>			
GCC Project Verification Assessment			Date: 16/10/2023
Project owner has revised the PSF and are found acceptable. Therefore, the project verification team has accepted the same. Hence CL 09 is closed.			

Table 2. CARs from this Project Verification

CAR ID	01	Section no.	D.2
Date: 26/07/2023			
Description of CAR			
<ol style="list-style-type: none"> <i>The technologies/measures employed by the Project Activity, project boundary and the baseline scenario are not provided in the section A.1 of the PSF. Project Owner is requested to comply with the paragraph 1(b),1(c), and 1(d) of the PSF filling guidelines.</i> <i>The provided geo coordinates seem not accurate. Furthermore, the geo coordinates provided in the PSF are not as per the paragraph 4 of the section A2 of the PSF filling guidelines. Project owner is requested to comply as per paragraph 4 of the section A2 of the PSF filling guidelines.</i> <i>The name of the make of solar panels and inverters are not given in the provided details in the section A3 of the PSF. The model number of the inverter provided in the PSF is incomplete. Furthermore, the details of the equipments viz transformers, energy meters, monitoring equipments etc are not provided in the PSF. Project owner is requested to comply with the paragraph 6,7,8,9 and 11 of the PSF filling guidelines.</i> <i>Project owner is requested to provide the supportive documents for the operational lifetime of the project activity.</i> 			
Project Owner's response			Date: 11/08/2023
<ol style="list-style-type: none"> <i>Reply: The technologies/measures employed by the Project Activity, project boundary and the baseline scenario have been provided in the section A of the PSF</i> <i>Reply: Longitude and latitude coordinates of the project have been verified</i> <i>Reply: Added to PSF A.3</i> 			

<i>4. Reply: The technical agreement(Page 7) has been added to the evidence folder</i>	
Documentation provided by the Project Owner	
<i>Solar photovoltaic panel technology agreement</i>	
GCC Project Verification Assessment	Date: 13/10/2023
<p>1.Project owner has revised the PSF. The details provided by the project owner are found acceptable. Hence this part of CL is closed.</p> <p>2.Project owner has revised the PSF. However, the project verification team couldn't locate the location of the project using the provided geo-coordinates. Project owner is requested to provide the exact geo-coordinates of the project location.</p> <p>) Project owner has not complied with paragraph 6 (b) and 6(c) of section A.3 of the PSF filing instructions. Project owner is requested to comply the same.</p> <p>Project owner has not provided the age and average lifetime of the equipment based on the manufacturer's specifications and industry standards as per paragraph 8 of section A.3 of the PSF filing instructions. Project owner is requested to comply with paragraph 8 of section A.3 of the PSF filing instructions.</p> <p>Project owner has provided the supporting documents for the operational lifetime of the project activity and are found acceptable. Hence this part of CAR is closed.</p> <p>The project requires more details on the corresponding section. Hence CAR 01 is open.</p>	
Project Owner's response	Date: 13/10/2023
3.We have made modifications to the corresponding sections of the PSF	
Documentation provided by the Project Owner	
<i>Solar photovoltaic panel technology agreement</i>	
GCC Project Verification Assessment	Date: 16/10/2023
Project owner has revised the PSF. The details provided by the project owner are found appropriate. Therefore, the project verification team has accepted the same. Hence CAR 01 is closed.	

CAR ID	02	Section no.	D.8	Date: 26/07/2023
Description of CAR				
<i>Project owner have not provided list of all the project owners in the Appendix 01 as per the LOA. Project owner is requested to comply with the paragraph 12 of the PSF filing guidelines.</i>				
Project Owner's response				Date: 11/08/2023
1.Reply: Project PP has been added in PSF Annex 1 form				
Documentation provided by the Project Owner				
<i>Solar photovoltaic panel technology agreement</i>				
GCC Project Verification Assessment				Date: 12/09/2023
Project owner has revised the PSF. The details provided by the project owner are found acceptable. Therefore, the project verification team has accepted the same. Hence CAR 02 is closed.				

CAR ID	03	Section no.	D.13/D.14	Date: 26/07/2023
Description of CAR				
1. <i>The details provided in the section A.5 is incomplete. Project owner is requested to provide the details as per the instructions given in the section A.5 of the PSF filing guidelines.</i>				

<ol style="list-style-type: none"> 2. <i>Furthermore, the Project Owner is requested to demonstrate, how the project activity is meeting the CORSIA requirements under para 16.c of section A.6 of the PSF.</i> 3. <i>Project owner is requested to indicate whether any host-country clearance is required and has been received from the host country of the project, at the time of submitting the PSF to the GCC as per paragraph 78 of the section H of the PSF filling guidelines.</i> 				
Project Owner's response			Date: 11/08/2023	
<ol style="list-style-type: none"> 1. <i>Reply: Section A.5 of PSF has been modified</i> 2. <i>Reply: Please see Section E and F : The Project Activity has not caused any net harm to the environment and/or society and therefore achieves Environmental No-net-harm Label (E +) and Social No-net harm Label (S +).</i> 3. <i>Reply: Section H in PSF has been modified</i> 				
Documentation provided by the Project Owner				
GCC Project Verification Assessment			Date: 25/09/2023	
<p>1)Project owner has revised the details and provided data found appropriate. However, the column provided in the section is has to be provided with the "name of the entities "and "Purpose and Quantity of ACCs to be supplied". Project owner is requested to provide the same.</p> <p>2)The demonstration should be provided in the section A.6 of the PSF as per paragraph 16 of the section A.6 and paragraph 6 of the general instructions of the PSF filling guidelines. Project owner is requested to provide the same.</p> <p>3)Project owner has revised the PSF and are found acceptable. Hence this part of CAR is closed.</p> <p>The project requires more details on the corresponding sections. Hence CAR 03 is open.</p>				
Project Owner's response			Date: 13/10/2023	
<ol style="list-style-type: none"> 1. We have made modifications to this section in the PSF 2. We have made modifications to this section in the PSF 				
Documentation provided by the Project Owner				
GCC Project Verification Assessment			Date: 16/10/2023	
Project owner has revised the PSF. The details provided by the project owner are found appropriate. Therefore, the project verification team has accepted the same. Hence CAR 03 is closed.				
CAR ID	04	Section no.	D.3.1	Date: 26/07/2023
Description of CAR				
<ol style="list-style-type: none"> 1. <i>The applicability justification is not provided for the paragraph 4 of the Tool 07: Tool to calculate the emission factor for an electricity system Version 07.0 in the PSF. Project owner is requested to provide justification for the applicability conditions mentioned in the Tool 07.</i> 2. <i>Project Owner is requested to confirm the relevance of the use of tool 05.</i> 3. <i>Project Owner is requested to indicate the exact reference (number, title, version) of the selected methodology(ies) wherever using in the PSF.</i> 				
Project Owner's response				Date: 11/08/2023
<ol style="list-style-type: none"> 1. <i>Reply: The applicability justification is provided for the paragraph 4 of the Tool 07</i> 2. <i>Reply: The project used tool 05 and added tool 05 to the evidence material</i> 3. <i>Reply: The methodology used in the project. The tool version number is updated to the latest version</i> 				
Documentation provided by the Project Owner				
am-tool-05-v3.0				
GCC Project Verification Assessment				Date: 25/09/2023
<ol style="list-style-type: none"> 1.Project owner has revised the PSF and is found acceptable. Hence this part of CAR is closed. 2.Project owner is requested to clarify the relevance of the use of tool 05. 				

3. Project owner has revised the PSF and is found acceptable. Hence this part of CAR is closed.	
The project requires more details in the corresponding section. Hence CAR 04 is open	
Project Owner's response	Date: 13/10/2023
2. We have made modifications to this section in the PSF	
Documentation provided by the Project Owner	
GCC Project Verification Assessment	Date: 16/10/2023
Project owner has revised the PSF. The details provided by the project owner are found appropriate. Therefore, the project verification team has accepted the same. Hence CAR 04 is closed.	

CAR ID	05	Section no.	D.3.4	Date: 26/07/2023
Description of CAR				
<ol style="list-style-type: none"> 1. <i>Project owner is requested to describe the baseline scenario as per the latest version of methodology ACM0002 version 21 and comply with paragraph 24 of the section B.4 of the PSF filling guidelines.</i> 2. <i>Project owner is requested to comply with the paragraph 28 of the section B.4 of the PSF filling guidelines.</i> 3. <i>PO is requested to provide a transparent description of baseline scenario in section B.4 of PSF. While doing the same, PO is requested to comply to the requirements of para 24-29 of PSF filling guidelines. As per the same, PO is requested to describe how the relevant national and/or sectoral policies, regulations and circumstances are taken into account, list the relevant national laws and policies that taken into account, provide a list of facilities, systems, and equipment in the baseline scenario, and clearly explain how the same types and levels of services provided by the Project Activity would have been provided in the baseline scenario etc.</i> 4. <i>Project owner is requested to provide the E+/E- policy consideration in baseline scenario as per UNFCCC EB 54 annex 03</i> 				
Project Owner's response				Date: 11/08/2023
<ol style="list-style-type: none"> 1. <i>Reply: The baseline scenario has been described according to the latest version of the method, ACM0002 version 21</i> 2. <i>Reply: Added in section B.4 of PSF</i> 3. <i>Reply: Added in section B.4 of PSF</i> 4. <i>Reply: For PV projects, the baseline is the grid, so there is no E+E-policy to influence and determine the baseline</i> 				
Documentation provided by the Project Owner				
GCC Project Verification Assessment				Date: 20/09/2023
<ol style="list-style-type: none"> 1. Project owner has revised the PSF. Hence this part of CAR is closed. 2. This part of the CAR is still not complied. As per paragraph 28 of the section B.4 of the PSF filling instruction, project owner is requested to provide a list of facilities, systems, and equipment in the baseline scenario, and clearly explain how the same types and levels of services provided by the Project Activity would have been provided in the baseline scenario. 3. Project owner is requested to list relevant national and/or sectoral policies, regulations and circumstances which are considered for this project activity. 4. Project has not provided the E+/E- policy consideration in baseline scenario as per UNFCCC EB 54 annex 03. 				
The project requires more details on the corresponding sections. Hence CAR 05 is open				
Project Owner's response				Date: 13/10/2023
2. We have made modifications to the corresponding sections of the PSF				

3.We have made modifications to the corresponding sections of the PSF
4.We have made modifications to the corresponding sections of the PSF
Documentation provided by the Project Owner
GCC Project Verification Assessment Date: 16/10/2023
Project owner has revised the PSF. The details provided by the project owner are found appropriate. Therefore, the project verification team has accepted the same. Hence CAR 05 is closed.

CAR ID	06	Section no.	D.3.6	Date: 26/07/2023
Description of CAR				
<ol style="list-style-type: none"> 1. <i>As per paragraph 37(a) of section B 6.1 of the PSF filling guidelines, Project owner is requested to provide justification for the selection of Simple OM method in step 03 of the tool 07 in the section B.6.1 of the PSF in reference to the paragraph 40 of Tool 07: Tool to calculate the emission factor for an electricity system version 7.0.</i> 2. <i>Project owner is requested to comply with paragraph 37(b) of section B 6.2 of the PSF.</i> 3. <i>Couldn't find the source of calculation. Project owner is requested to provide the exact reference for the source taken for the calculation of simple OM emission factor EFgrid,OM,,y.</i> 				
Project Owner's response				Date: 11/08/2023
<ol style="list-style-type: none"> 1. <i>Reply: Reasons have been provided for PSF Section B.6.1 Tool 07 Step 03 to choose the simple OM method</i> 2. <i>Reply: Paragraph 37(b) of section B.6.2 of the project proposal has been complied with</i> 3. <i>Reply: The URL links for the calculation instructions in footnotes 26 and 28 have been modified</i> 				
Documentation provided by the Project Owner				
GCC Project Verification Assessment				Date: 25/09/2023
<ol style="list-style-type: none"> 1.Project owner has revised the details. The provided details are found acceptable. Hence this part of CAR is closed. 2. Project owner has revised the details. The provided details are found acceptable. Hence this part of CAR is closed. 3.Project owner has provided the source of reference and are found appropriate. Hence this part of CAR is closed. <p>The details provided by the project owner are found appropriate. Therefore, the project verification team has accepted the same. Hence CAR 06 is closed.</p>				

CAR ID	07	Section no.	D.3.6	Date: 26/07/2023
Description of CAR				
<ol style="list-style-type: none"> 1. <i>The parameters such as EFgrid,BM,y and EFgrid,OM,y are not provided in the section B6.2 of the PSF. Project owner is requested to comply with the paragraph 38 of the section B.6.2 of the PSF filling guidelines.</i> 2. <i>The description provided for the parameter EFgrid,CM,y is incomplete. Project owner is requested to provide complete description of the same as per tool 07 Tool to calculate the emission factor for an electricity system, Version 07.0</i> 3. <i>Ex-ante calculation of emission reductions is not provided by the project owner. In addition to the table provided, Project owner is requested to comply with the paragraph 41 and 43 of the section B.6.3 of the PSF filling guidelines.</i> 				

Project Owner's response	Date: 11/08/2023
<ol style="list-style-type: none"> 1. Reply: The "EFgrid,BM,y" and "EFgrid,OM,y" parameter has been provided in Section B6.2 of PSF 2. Reply: Full description provided 3. Reply: The item ER table has been verified 	
Documentation provided by the Project Owner	
GCC Project Verification Assessment	Date: 25/09/2023
<p>1. Project owner has revised the PSF. The details provided by the project owner are found appropriate. Hence this part of CAR is closed.</p> <p>2. Project owner has revised the PSF. The details provided by the project owner are found appropriate. Hence this part of CAR is closed.</p> <p>3. Ex-ante calculation of emission reductions is not provided by the project owner. Project owner is requested to provide the Ex-ante calculation of emission reductions.</p> <p>The project requires more details in the corresponding sections. Hence CAR 07 is open.</p>	
Project Owner's response	Date: 13/10/2023
3. We have made modifications to the corresponding sections of the PSF	
Documentation provided by the Project Owner	
GCC Project Verification Assessment	Date: 16/10/2023
Project owner has revised the PSF. The details provided by the project owner are found appropriate. Therefore, the project verification team has accepted the same. Hence CAR 07 is closed.	

CAR ID	08	Section no.	D.3.7	Date:	26/07/2023
Description of CAR					
<p><i>PO has used EGout,y, EGIN,y as parameters in Section B.7.1, which is mentioned to be sourced from methodology ACM0002. However, the mentioned parameters are not mentioned in methodology and PO is requested to correct it or to provide clarity on the same.</i></p> <p><i>Project Owner is requested to provide the national regulation/standard with respect to calibration frequency of the energy meters. In the PSF the calibration frequency is selected as once in 2 years. Project owner is requested to, provide the supportive link for the national regulations. Further, PO is requested to provide the calibration reports of the meters.</i></p> <p><i>Monitoring equipment/Measurement in section B.7.1., B.6.2 is not provided. PO is requested is requested to provide the details of monitoring equipments and their calibration. Project owner is requested to comply with the paragraph 48 of the section B.7.1 of the PSF filling guidelines.</i></p> <p><i>Project owner has provided the identified negative impacts in the place of positive impacts in the section B.7.1 of the PSF. Project owner is requested to comply with the paragraph 13d(v) of the section 4.2 of the Environment and Social Safeguards Standard V3.0.</i></p> <p><i>Project owner is requested to fill details of energy meters in the monitoring/equipment section of the Data Parameter as per paragraph 48(c) of the section B.7.1 of the PSF guidelines.</i></p> <p><i>Project owner is requested to comply with the paragraph 13d(iv) of section 4.2 of the Environment and Social Safeguards Standard V3.0.</i></p>					
Project Owner's response					Date: 11/08/2023
<ul style="list-style-type: none"> ▪ Reply: The EGout,y, EGIN,y parameter source has been modified ▪ Reply: Meter calibration report has been added to the evidence folder ▪ The data has been provided in folder Supplementary document 16 Meter calibration report ▪ Reply: Positive impacts have been listed in section B.7.1 of PSF 					

<ul style="list-style-type: none"> ▪ <i>The data has not been provided.in PSF page 45.</i> ▪ <i>Reply: Added to Evidence folder 13</i> 	
Documentation provided by the Project Owner	
<i>Meter calibration record, Specification for technical management of electric energy metering devices, Boundary Noise Emission Standard for Industrial Enterprises(GB12348- 2008),Hazardous Waste Storage Pollution Control Standard (GB 18597- 2001)</i>	
GCC Project Verification Assessment	Date: 26/09/2023
<p>1.Project owner has revised the PSF and are found appropriate. Hence this part of CAR is closed.</p> <p>2.Project owner has provided the supportive documents for the calibration details. However, Project owner has not provided meter details and calibration details in the PSF.Project owner is requested to provide the same.</p> <p>3.Project owner has still not provided. PO is requested is requested to provide the details of monitoring equipments and their calibration. Project owner is requested to comply with the paragraph 48 of the section B.7.1 of the PSF filling guidelines.</p> <p>4. Project owner has provided those aspects which are assessed to have a negative impact on the environment and society in the section B.7.1 of the PSF. As per the paragraph 13 d(v) of section 4.2 of the Environment and Social Safeguards Standard V3.0, it states that “All aspects which are assessed to have a positive impact on the environment and society shall list the monitoring parameters under section B.7.1 of the PSF. All those aspects which are assessed to have a negative impact on the environment and society, irrespective of whether they have been assessed to be “harmless” or “harmful”, shall include the monitoring parameters under section B.7.2 of the PSF document”. Project owner shall comply the same.</p> <p>5. Project owner has still not provided. Project owner is requested to fill details of energy meters in the monitoring/equipment section of the Data Parameter as per paragraph 48(c) of the section B.7.1 of the PSF guidelines.</p> <p>6. Project owner has complied with the paragraph 13d(iv) of section 4.2 of the Environment and Social Safeguards Standard V3.0. Hence this part of CAR is closed.</p> <p>The project requires more details on the corresponding section. Hence this part of CAR 08 is open.</p>	
Project Owner’s response	Date: 13/10/2023
<p>2.We have made modifications to the corresponding sections of the PSF</p> <p>3.We have made modifications to the corresponding sections of the PSF</p> <p>4.We have made modifications to the corresponding sections of the PSF</p> <p>5.We have made modifications to the corresponding sections of the PSF</p>	
Documentation provided by the Project Owner	
GCC Project Verification Assessment	Date: 16/10/2023
Project owner has revised the PSF. The details provided by the project owner are found appropriate. Therefore, the project verification team has accepted the same. Hence CAR 08 is closed.	

CAR ID	09	Section no.	D.4	Date: 26/07/2023
Description of CAR				
<ul style="list-style-type: none"> ○ <i>Project owner is requested to provide the supportive documents for the operational lifetime of the project activity.</i> ○ <i>The crediting period of the project activity is not completely provided in section C.3 of the PSF. Project owner is requested to comply with the paragraph 58 of section C.3 of the PSF filling guidelines.</i> 				
Project Owner’s response				Date: 11/08/2023

Project Verification Report

<ul style="list-style-type: none"> ○ Reply: The project technical agreement (Page 7) has been supplemented ○ Reply: Section C.3.1 of PSF has been modified
Documentation provided by the Project Owner
<i>Solar photovoltaic panel technology agreement</i>
GCC Project Verification Assessment Date: 26/09/2023
<p>1. Project owner has provided the supporting documents for the operational lifetime of the project activity and are found acceptable.</p> <p>2. Project owner has revised the PSF and are found acceptable.</p> <p>The details provided by the project owner are found acceptable. Therefore, the project verification team has accepted the same. Hence CAR 09 is closed.</p>

CAR ID	10	Section no.	D.10/D.11/D.12	Date: 26/07/2023
Description of CAR				
<p><i>1) Project Owner is requested to demonstrate environmental safeguards and social safeguards as per the latest standard (version 3). Project owner is requested to demonstrate project sustainability standard as per the latest standard (version 3). Further Project owner is requested to demonstrate the SDGs as per the latest standard.</i></p> <p><i>2) Background: Appendix 01: Indicative list of project types and corresponding Environmental and Social aspects and impacts which shall be assessed at a minimum</i></p> <p><i>As per paragraph 13 (a) of section 4.2 of the Environment and Social Safeguards Standard V3.0, the Project Owner shall Identify all anticipated and actual significant environmental and social aspects, as per the paragraph 12(a). At a minimum, all projects must conduct assessment and reporting of the potential aspects which are identified for each project types as per Appendix 01;</i></p>				
Project Owner's response				Date: 11/08/2023
<p>(a) Reply: Have been checked according to the latest standard (version 3)</p> <p>(b) Reply: The e+s+ form has been checked in accordance with Appendix 1 of the Environmental and Social Security Standard V3.0</p>				
Documentation provided by the Project Owner				
GCC Project Verification Assessment Date: 26/09/2023				
<p>1. Project owner has used the latest versions. Hence this part of CAR is closed.</p> <p>2. Project has still not addressed potential aspects which are identified for each project types as per Appendix 01 Environment and Social Safeguards Standard V3.0. Project owner shall Identify all anticipated and actual significant environmental and social aspects, as per the paragraph 12(a). At a minimum, all projects must conduct assessment and reporting of the potential aspects which are identified for each project type as per Appendix 01.</p> <p>In doing so, project is also requested to comply with the paragraph 22 of section 6.1 and paragraph 23 of section 6.2 of the Environment and Social Safeguards Standard V3.0.</p> <p>The project requires more details in the corresponding section. Hence CAR 10 is open.</p>				
Project Owner's response				Date: 13/10/2023
2. We have made modifications to the corresponding sections of the PSF				
Documentation provided by the Project Owner				
GCC Project Verification Assessment Date: 16/10/2023				

Project Verification Report

Project owner has revised the PSF. The details provided by the project owner are found appropriate. Therefore, the project verification team has accepted the same. Hence CAR 10 is closed.

CAR ID	11	Section no.	D.10 / D.11 /D.12	Date: 26/07/2023
Description of CAR				
<ol style="list-style-type: none"> 1. <i>Project owner needs to substantiate each of the stated criteria for Environmental Safeguard, Social Safeguard and SDGs with credible evidence and complete the relevant sections of the PSF in line with the PSF completing guidelines.</i> 2. <i>Project owner is requested to provide Credible evidence for each of the applied 4 SDGs for the project activity (5,7, 8,9 and 13).</i> 3. <i>Project owner is requested to clarify how the project activity contributes to sustainable development goal no. , 7,9 and 13.</i> 				
Project Owner's response				Date:11/08/202311/08/2023
<ol style="list-style-type: none"> 1. <i>Reply: Staff roster, Internet meter, minutes of meetings of relevant stakeholders have been provided</i> 2. <i>Reply: Staff roster, minutes of stakeholder meetings have been provided</i> 3. <i>Reply: How do clarified project activities contribute to achieving the SDGS</i> 				
Documentation provided by the Project Owner				
<i>roster, Summary table of Internet access and online power purchase over the years, The Local stakeholders meeting</i>				
GCC Project Verification Assessment				Date: 26/09/2023
<p>1)(i) Project owner is requested to provide supportive documents/monitoring records/agreement related to Solid waste Pollution from Hazardous wastes, Solid waste Pollution from E-wastes, Solid waste Pollution from end-of-life products/ equipment. Further for all those parameters which is being monitored, Project owner is requested to provide the monitoring records as supportive.</p> <p>(ii) Project owner is requested to provide attendance registers or attendance forms etc as a supportive document for the training records.</p> <p>Further, For the parameter, "Project related knowledge dissemination effective or not", PO has submitted training records as supportive evidence. PO is requested to Justify how the project will improve knowledge dissemination, since it is different from the project related trainings. Further, monitoring plan is not provided for the same parameter.</p> <p>2)Project owner has provided supportive documents for the same and found acceptable. Hence this part of CAR is closed.</p> <p>3)The UN SDG target 9.4 focus on "upgrade infrastructure and retrofit industries to make them sustainable, with increased resource-use efficiency and greater adoption of clean and environmentally sound technologies" but the project activity is a greenfield project. Kindly clarify how SDG target 9.4 applies to the project.</p> <p>The projects more details and clarification on the corresponding section. Hence CAR 12 is open</p>				
Project Owner's response				Date: 13/10/2023
<ol style="list-style-type: none"> 1. We have provided minutes of employee training meetings 2. Deleted target 9.4 				
Documentation provided by the Project Owner				
employee training meetings				

GCC Project Verification Assessment	Date: 16/10/2023
Project owner has revised the PSF. The details provided by the project owner are found appropriate. Therefore, the project verification team has accepted the same. Hence CAR 11 is closed	

CAR ID	12	Section no.	D.12	Date: 26/07/2023
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Description of CAR				
<ol style="list-style-type: none"> 1. <i>Project owner is requested to provide Credible evidence for each of the applied 4 SDGs for the project activity (1,5,7, 8 and 13).</i> 2. <i>Project owner is requested to clarify how the project activity contributes to sustainable development goal no., 7 and 13.</i> 3. <i>Project owner is requested to comply with the paragraph 22(b) of section 5.2 of the project sustainability standard version 3.1.</i> 				

Project Owner's response				Date : 11/08/2023
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Section A. Reply: Credible evidence has been provided for the 4 SDGS requested for the project activities				
Section B. Reply: How can clarified project activities contribute to achieving the SDGS				
Section C. Reply: A table has been added after the SDG table				

Documentation provided by the Project Owner				
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roster. Summary table of Internet access and online power purchase over the years. The Local stakeholders meeting

GCC Project Verification Assessment				Date: 26/09/2023
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2. Project owner has provided supportive documents for the same and found acceptable. Hence this part of CAR is closed.				
3. Project owner has provided the same. Hence this part of CAR is closed.				
4. Project owner has not complied with the paragraph 22(b) of section 5.2 of the project sustainability standard version 3.1. Project owner is requested to comply with the paragraph 22(b) of section 5.2 of the project sustainability standard version 3.1.				

The project requires more details on the corresponding section. Hence CAR 12 is open

Project Owner's response				Date: 13/10/2023
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3.We have made modifications to the corresponding sections of the PSF

Documentation provided by the Project Owner				
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GCC Project Verification Assessment				Date: 15/10/2023
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Project owner has revised the PSF. The details provided by the project owner are found appropriate. Therefore, the project verification team has accepted the same. Hence CAR 12 is closed.

Table 3. FARs from this Project Verification

FAR ID	01	Section no.	D.13/D.14	Date: 26/07/2023
Description of FAR				
<i>Project Owners shall demonstrate the compliance to CORSIA requirements for the credits claimed beyond 31 December 2020 with respect to double counting and HCLOA requirements and also future CORSIA requirements applicable time to time for the project activity</i>				
Project Owner's response				Date: 11/08/2023
1.Reply: Once the Host Country Authorization is provided later, this will be verified in first or subsequent verifications				
Documentation provided by Project Owner				
GCC Project Verifier assessment				Date: DD/MM/YYYY

DOCUMENT HISTORY

Version	Date	Comment
V 3.1	31/12/2020	1. 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	2. Revised version released on approval by the Steering Committee as per the GCC Program Process; 3. Revised version contains the following changes: 1. Change of name from Global Carbon Trust (GCT) to Global Carbon Council (GCC); 2. Considered and addressed comments raised by the Steering Committee: a. during physical meeting (SCM 01, dated 29 Oct 2019, Doha Qatar); and b. electronic consultations EC01-Round 04 (17.08.2020 – 22.08.2020). 4. Feedback from the Technical Advisory Board (TAB) of ICAO on GCC submissions for approval under CORSIA ⁹ ;
V 2.0	25/06/2019	5. Revised version released for approval by the GCC Steering Committee. 6. This version contains details and information to be provided, consequent to the latest worldwide developments (e.g., CORSIA EUC).
v1.0	01/11/2016	7. Initial version released for approval by the GCC Steering Committee under GCC Program Version 1

1. ⁹See ICAO recommendation for conditional approval of GCC at https://www.icao.int/environmental-protection/CORSIA/Documents/TAB/Excerpt_TAB_Report_Jan_2020_final.pdf

2.



www.globalcarboncouncil.com