

GS4GG Verification (Performance) Certification Report



Certification Pvt. Ltd.

VKU Certification Pvt. Ltd.

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Project Title

**70 MW Bhadla Solar power plant by Fortum Finnsurya Energy Pvt Ltd
(EKIESL-CDM-APRIL 16-01)**

Registry Project ID: 5519

Monitoring Period: **01/10/2023-31/12/2024¹**

For

Infinite Environmental Solutions Limited

VKU Project Reference No.

VKU.VER.43.25_GS_5519

¹ Including both the dates

Executive Summary:

A) Basic information							
Project Title	70 MW Bhadla Solar power plant by Fortum FinnSurya Energy Pvt Ltd (EKIESL-CDM-APRIL 16-01)						
GS4GG Project ID:	5519						
Date of Project Design Certification	03/01/2018						
Last Date of Annual Report	26/12/2024						
VKU Project Reference No.	VKU.VER.43.25_GS_5519						
Sectoral scope	Scope: 01 Energy Industries (renewable- and non-renewable sources)						
Methodology/ies applied	ACM0002: Grid-connected electricity generation from renewable sources - Version 20						
Technical Area (TA)	T.A 1.2 (Solar)						
Host country	India						
Location	Village- Bhadla, District – Jodhpur, State- Rajasthan, Country - India						
Project Representative	Infinite Environmental Solutions Limited						
Project Developer/Investor	Fortum FinnSurya Energy Private Limited						
GS4GG Activity Requirements	Renewable Energy Activity						
GS4GG Certified Product	<input checked="" type="checkbox"/> GHG Emissions Reduction & Sequestration <input type="checkbox"/> Renewable Energy Label <input type="checkbox"/> N/A						
Selected Sustainable Development Goals and GS4GG SDG Impact Statement	<table border="1"> <tbody> <tr> <td>SDG 7</td> <td>170,692 MWh</td> </tr> <tr> <td>SDG 8</td> <td> 24 No. of Trainings 14 (12 skilled & 2 semi-skilled employees) The income to all the workers is made as follows 384 INR/day (unskilled), 423 INR/day (semiskilled), 486 INR/day (skilled) and 612 INR/day (highly skilled) </td> </tr> <tr> <td>SDG 13 etc</td> <td>153,796 tCO₂e</td> </tr> </tbody> </table>	SDG 7	170,692 MWh	SDG 8	24 No. of Trainings 14 (12 skilled & 2 semi-skilled employees) The income to all the workers is made as follows 384 INR/day (unskilled), 423 INR/day (semiskilled), 486 INR/day (skilled) and 612 INR/day (highly skilled)	SDG 13 etc	153,796 tCO ₂ e
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SDG 13 etc	153,796 tCO ₂ e						
Scale of Project Activity	Large						
B) Verification							
Start date of crediting period	06/11/2022						
End date of crediting period	05/11/2027						
Type and Length of Crediting period	Renewable, 5 years						
Monitoring Period	01/10/2023-31/12/2024 (both dates included)						
C) Monitoring report							
	<table border="1"> <thead> <tr> <th>Version</th> <th>Date</th> </tr> </thead> <tbody> <tr> <td>Initial</td> <td>21/02/2025</td> </tr> </tbody> </table>	Version	Date	Initial	21/02/2025		
Version	Date						
Initial	21/02/2025						



Final	4	01/09/2025						
D) Performance Certification report	Version	Date						
Initial	1	15/06/2025						
Final	1.4	05/09/2025						
E) Verification Team								
Team Leader ²	Deepali Sharma							
Technical Expert (TA 1.2)	Deepali Sharma							
Validator/Verifier- Trainee	Komal Kumari							
F) Approvals								
Technical Reviewer ³	Vivek Kumar Ahirwar							
Technical Expert (1.2)	Vivek Kumar Ahirwar							
G) Final opinion								
<p>VKU Certification has performed the verification of the GS4GG project “70 MW Bhadla Solar power plant by Fortum Finnsurya Energy Pvt Ltd (EKIESL-CDM-APRIL 16-01)” and GS4GG Ref. Number 5519. The verification includes confirmation about the implementation of the monitoring plan of the PDD and the application of the monitoring methodology as per ACM0002 Version 20.0. VKU Certification confirms that the monitoring system is in place and the emission reductions are calculated without material misstatements. The emission reductions from the GS4GG project activity ID 5519 “70 MW Bhadla Solar power plant by Fortum Finnsurya Energy Pvt Ltd (EKIESL-CDM-APRIL 16-01)” in India during the period 01/10/2023 – 31/12/2024 (including both days) amount to 153,796 tCO_{2e}.</p>								
<table border="1"> <thead> <tr> <th>VVB Opinion</th> <th>Conclusion</th> </tr> </thead> <tbody> <tr> <td>Positive</td> <td><input checked="" type="checkbox"/> (Mark Tick if applicable)</td> </tr> <tr> <td>Negative</td> <td><input type="checkbox"/> (Mark Tick if applicable)</td> </tr> </tbody> </table>			VVB Opinion	Conclusion	Positive	<input checked="" type="checkbox"/> (Mark Tick if applicable)	Negative	<input type="checkbox"/> (Mark Tick if applicable)
VVB Opinion	Conclusion							
Positive	<input checked="" type="checkbox"/> (Mark Tick if applicable)							
Negative	<input type="checkbox"/> (Mark Tick if applicable)							
Therefore, VKU certification recommends request of Issuance to GS4GG.								
H) Authorization								
Director	Vikas Kumar Aharwal							
Date	09/09/2025							
I) Distribution								
No public distribution without written confirmation from client.								
J) Verification Status								
Findings closed	Yes							
Draft report	Yes							
Final report	Yes							

² Team Leader is an approved GS Auditor for VKU.

³ Technical Reviewer is an approved GS Auditor for VKU.

Abbreviations

CAR	Corrective Action Request
CDM	Clean development mechanism
CERs	Certified Emission Reductions
CL	Clarification Request
EB	Executive Board
ERs	Emission Reductions
FAR	Forward Action Request
FVR	Final Verification Report
GHG	Greenhouse Gas(es)
GS4GG VVS	Gold Standard Validation and Verification Standard
IPCC	Intergovernmental Panel on Climate Change
MR	Monitoring Report
PDD	Project Design Document
RCP	Renewable of Crediting Period
RMP	Revised Monitoring Plan
VERs	Verified Emission Reductions
VVB	Validation and Verification Body
VVS	Validation and Verification Standard
AT	Assessment Team
TL	Team Leader
VVT	Validator Verifier Trainee
TE	Technical Expert
PE	Project Emissions
PPA	Power Purchase Agreement
OSV	Onsite visit

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1. INTRODUCTION

1.1 Project Summary

Project entails installation & operation of a 70 MW (AC) solar power initiative, executed by Fortum FinnSurya Energy Private Limited in State: Rajasthan, India. The primary objective of this undertaking is to generate clean electricity from renewable solar energy sources. The project entails the installation of 761,000 photovoltaic modules with rated capacity of 112.5 Wp, 115 Wp & 117.5Wp respectively.

The details of the project are mentioned in the table:

Table no 01: Project Capacity Details

Project investor's Name	Registry ID	Capacity	Total number of PV Modules	Rated Power	No of Modules
Fortum FinnSurya Energy Private Limited	GS 5519	70 MW (AC) (87.5 MWp)	761,000	112.5Wp	88,800
				115Wp	587,000
				117.5Wp	85,200

Energy Source:

This project harnesses solar energy to generate electricity through its **70 MW_{AC}** solar power installation. The generated electricity is seamlessly integrated into the Unified Indian Grid. Notably, this procedure abstains from utilizing fossil fuels, ensuring the absence of greenhouse gas emissions. Consequently, this project contributes positively to the environment by producing sustainable power without adverse ecological effects.

By implementing the project activity, the following GHG sources of emissions are reduced/avoided:

Table no 02: GHG SSRs Details

Baseline/Source	Generation of electricity by fossil fuel- dominated grid connected power plants
Project Equipment/Sink	Avoidance of GHG emission into the atmosphere is due to generation of electricity by renewable means i.e., Photovoltaic Modules/Installed Solar Power Plant of this project and exporting to Unified Indian Grid which is in line with 3.1.1 of ISO:14064 part -2
Baseline GHG emission source reduced/avoided	CO ₂ emissions from fossil fuels and other fuel fired grid connected plants/projects.

Project Nature & Implementation:

The main purpose of the project activity is to generate electrical energy through sustainable means by utilizing solar power resources, the generated green electricity is contributing to climate change mitigation efforts. This project activity is a large-scale grid connected Solar PV power project.

Start date of the project activity is **29/07/2016**. This is the date of purchase order made for the project activity as per registered CDM PDD.

The PV system mainly consists of PV modules, module mounting structures, inverters, regulators, monitoring devices etc.

Fortum FinnSurya Energy Private Limited is the project investor for this project activity. For this monitoring period **01/10/2023 – 31/12/2024 (both dates included)** project activity is reducing anthropogenic emissions of greenhouse gases (GHG's) **153,796 tCO₂**, thereon displacing **170,692 MWh** amount of electricity from the generation-mix of power plants connected to the Indian electricity grid, which is mainly dominated by thermal/ fossil fuel-based power plant.

Project Location:

The project activity is located in the **Rajasthan state of India**. The project activity is connected to Unified Indian Grid. Under this project activity 70 MW (AC) of Solar PV technology is being implemented at the below stated specific locations.

Below table no. 03 outlines the Latitude and Longitude of the project location:

Latitude	27° 28' 7.00" North
Longitude	71° 58' 17.00" East
District	Jodhpur
Village	Bhadla
State	Rajasthan
Country	India

A Power Purchase Agreement is signed at New Delhi on 26/04/2016 between Fortum FinnSurya Energy Private Limited & NTPC/30/ that confirms that electricity generated at the plant site is supplied to the Indian Grid.

1.2 Objective

Infinite Environmental Solutions Limited (Project Representative) and Fortum FinnSurya Energy Pvt. Ltd (PD) has contracted VKU Certification Private Limited (AT) to conduct the verification and certification of emission reductions reported for the GS4GG project activity 5519 “70 MW Bhadla Solar power Plant by Fortum Finnsurya Energy Private Ltd. (EKIESL-CDM-APRIL-16-01)” in India for the period 01/10/2023 – 31/12/2024 (both dates included). This report contains the findings of the verification process and a certification statement for the verified emission reductions.

The verification is the periodic independent review and ex post determination by VKU Certification of the monitored reductions in GHG emissions that have occurred as a result of the registered GS4GG project activity during a defined monitoring period. Certification is the written assurance by VKU Certification that, during a specific period in time, a project activity achieved the emission reductions as verified.

The objective of this verification is to verify and certify emission reductions reported for the “70 MW Bhadla Solar power Plant by Fortum Finnsurya Energy Private Ltd. (EKIESL-CDM-APRIL-16-01)” for the period 01/10/2023 – 31/12/2024 (both dates included) as per GS4GG validation and verification standard v2.0 para 1.1, 9.1 and sub para 9.1.1/5/.

1.3 Scope and Criteria

The scope of this verification was the independent objective review and ex-post determination of the monitored reductions in GHG emissions from the “70 MW Bhadla Solar power plant by Fortum Finnsurya Energy Pvt Ltd (EKIESL-CDM-APRIL 16-01)”. The verification of this project was based on the validated & registered GS4GG PDD version 03, dated: 04/01/2023 and monitoring report/19/ along with supporting documents submitted by the project representative to the AT. The documents thus submitted to the AT were reviewed against the following guidance and protocol:

1. GS4GG validation and verification standard v2.0 para 1.2 /5/
2. GS4GG principles rules and requirements v2.1 /1/
3. GS4GG Site Visit and Remote Audit Requirements and Procedures v2.0/6/
4. Applied Methodology: ACM0002 V20.0/12/

The steps involved are as follows:

- To assess the project’s compliance with other relevant rules including the host country -India legislation.
- To confirm that the monitoring system is implemented and fully functional to generate verified carbon units (VERs) without any double counting.
- To verify that actual monitoring systems and procedures are in compliance with the monitoring systems and procedures described in the monitoring plan.
- To evaluate the GHG emission reduction data and express a conclusion with a reasonable level of assurance about whether the reported GHG emission reduction data is free from material misstatement & is sufficiently supported by evidence.

- The verification process ensures that the reported emission reductions are comprehensive and accurate in order to obtain certification.

The verification method and criteria encompassed several phases, including

1. Desk Review of GS4GG project design document version 03 dated:04/01/2023, and supporting documents listed in Section 4 of this report, which is provided by the Project Representative to assessment team.
2. Onsite Interview
3. VKU’s technical review of project before completeness /Quality Check, and
4. The final issuance of the verification report

Outstanding issues are resolved, leading to the issuance of the final verification report. It is important to note that the verification process does not involve providing any consultancy to the project Developers. However, requests for clarifications and corrective actions may have contributed to improvements in the monitoring processes.

1.4 Level of Assurance and Application of Materiality

All the revisions of verification report before being submitted to the client are subjected to an independent internal technical review to confirm that all verification activities have been completed according to the pertinent VKU’s procedure, with a Reasonable level of assurance, as per the GS4GG validation and verification standard v2.0 and GS4GG Principles and Requirements v2.1.

VVB applies the general requirements, consideration of materiality in planning verification and for conducting verification is as per the GS4GG validation and verification standard v2.0, para 9.6. For the identification of materiality threshold VVB referred para 9.6.3 of validation verification standard v2.0 and apply to the total emission reduction actually achieved by the Project Activity. As per the GS4GG validation verification standard section 9.6, the level of assurance of the verification report falls under reasonable assurance engagements with respect to material errors, omissions, and misrepresentations.

Table 01.


Application of Materiality Threshold as per the GS4GG VVS v2.0 para 9.6.8	Materiality threshold value (tCO ₂ e)	Reported ERs (tCO ₂ e)		Justification (If any deviation)
		In Initial MR	In Final MR	
2 %	3,075.92	139,655	153,796	Verification team confirms that as per 9.6.8 of GS4GG VVS, the materiality threshold



				<p>applies to the total emission actually achieved.</p> <p>A discrepancy was identified between the initially reported and final emission reductions, which was attributed to a typographical error in the Initial ER Sheet documentation for the months of June and August 2024. The project proponent has later corrected the values, also submitted necessary supporting documentation. Following a thorough review and verification of the submitted evidence, the emission reductions were revised upwards based on accurate calculations and values presented in JMR and Invoice.</p>
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1.5 Information of VVB

Table 02. VVB Information

Name of the VVB	VKU Certification Private Limited
GS accreditation expiry date	20/06/2026
Is the VVB accredited for the applicable sectoral scope?	Yes
Name, position of the approver of the verification report	Vivek Kumar Ahirwar
Signature	
Name, position of the authorized signatory for issuance of the verification report	Vikas Kumar Aharwal Director, VKU Certification Private Limited
Signature (Final version only)	

1.6 Sustainable Development Contributions

Table 03: Sustainable Development Contributions for verification

Sustainable Development Goals Targeted	SDG Impacts	Estimated Annual Average	Units
7 Affordable and Clean Energy	MWh of renewable energy generated	121,420 (365 days) 152,357 (458 days)	MWh/Year
8 Decent Work and Economic Growth	Training Employment	Training- 01 Employees- 10 The income to all the unskilled workers are made on day-to-day basis better than the minimum wage requirements: 357 INR.	No of Training, Per Year No. of Employee
13 Climate Action (Mandatory)	Emission Reduction	112,980 (365 days) 141,766 (458 days)	tCO ₂ /Year (GS-VERs)

2. METHODOLOGY

VKU Certification assessed and determined whether the implementation and operation of the project activity, and the steps taken to report emission reductions comply with the GS4GG criteria and relevant guidance provided by the GS4GG impact registry.

The assessment involved a desk review of relevant documentation as well as an **on-site visit**. The personnel employed and their roles in this assessment is mentioned below;

Verification Team member(s)

S.No.	Full Name (Gender)	Role(s)	Type of Resource	Type of Activity(ies) carried out
1	Deepali Sharma (Female)	Team Leader & Technical Expert T.A.1.2	Internal Resource	DR/OSV/I/DVR/VF/FVR ⁴
2	Komal Kumari (Female)	Validator/Verifier- Trainee	Internal Resource	DR/DVR/VF

⁴ DR- Desk Review
OSV-Onsite Visit
I-Interview
VF- Verification Findings
DVR- Draft Verification Report
FVR- Final Verification Report

Technical Reviewer(s) and approver(s) of the verification report

S.No.	Full Name (Gender)	Role(s)	Type of Resource	Type of Activity(ies) carried out
1	Vivek Kumar Ahirwar (Male)	Technical Reviewer cum Technical Expert (TA 1.2)	External Resource	Technical Review

The competence statement of verification team members is included under Section 7 of this report.

Verification milestones:

Monitoring report submission:	21/02/2025
On-site assessment and Interview:	28/02/2025
Draft Verification Report	10/03/2025
Final Verification Report	05/09/2025

VKU Certification followed a rule-based verification approach, wherein, the contract review is undertaken as per valid/effective version of GS4GG accreditation Standard. Once the contract is agreed for verification, the monitoring report of the project activity submitted to VVB for further process. Key steps are described in Section 2.1 to 2.4 of this report.

2.1 Desk Review or Document Review

VKU Certification conducted a desk review or document as under;

- A review of the data and information presented to verify their completeness;
- A review of the monitoring plan, the monitoring methodology including applicable tool(s) and, where applicable, the applied standardized baseline, paying particular attention to the frequency of measurements, the quality of metering equipment including calibration requirements, and the quality assurance and quality control procedures;
- An evaluation of data management and the quality assurance and quality control system in the context of their influence on the generation and reporting of emission reductions;

In addition to the monitoring documentation, VKU Certification has reviewed;

- The PDD Version 03 dated 04/01/2023 and the monitoring plan, including any approved revised monitoring plan and/or changes from the registered PDD, and the corresponding validation opinion;
- The Validation Report Version 04 dated 10/02/2023;
- Previous verification reports, if any;

- The applied monitoring methodology (ACM0002 Version 20.0) and, where applicable, the applied standardized baseline;
- The monitoring report (all versions, if available) to verify that it is as per the standardized format;
- Any other information and references relevant to the project activity's emission reductions (e.g., IPCC reports, data on electricity generation in the national grid or laboratory analysis and national regulations).

The complete list of documents reviewed is included under Section 4.

2.2 Site Visits (Onsite inspection)

A site visit was undertaken by VKU Certification on 28/02/2025 as per the "GS4GG site visit and remote audit requirements and procedures" v2.0 dated 30/05/2023 and "GS4GG applicability of minimum site visit requirement by VVB" dated 16/08/2021 v2.0 and mentioned to carry out following;

- An assessment of the implementation and operation of the registered project activity as per the registered PDD or any approved revised PDD;
- A review of information flows for generating, aggregating and reporting the monitoring parameters;
- Interviews with relevant personnel to determine whether the operational and data collection procedures are implemented in accordance with the monitoring plan in the PDD;
- A cross check between information provided in the monitoring report and data from other sources such as plant logbooks, inventories, purchase records or similar data sources;
- A check of the monitoring equipment including calibration performance and observations of monitoring practices against the requirements of the PDD, the applied methodology including applicable tool(s), and, where applicable, the applied standardized baseline;
- A review of calculations and assumptions made in determining the GHG data and emission reductions;
- An identification of quality control and quality assurance procedures in place to prevent or identify and correct any errors or omissions in the reported monitoring parameters.

Verification Team also confirm that there is no deviation(s) to address a non-compliance with the minimum site visit requirement as per the GS4GG requirement ⁵.

Interview

⁵ https://globalgoals.goldstandard.org/112_par_site-visit-and-remote-audit-requirements-and-procedures/

Duration of Onsite Inspection: 28/02/2025			
Name	Role	Location of Site	Activity Performed On-Site
Deepali Sharma	Team Leader cum Technical Expert (TA 1.2)	Bhadla, Jodhpur Rajasthan	<ul style="list-style-type: none"> • An assessment of the implementation and operation of the GS4GG project activity as per the PDD • A review of information flows for generating, aggregating and reporting of the monitoring parameters. • Interviews with taking consent with relevant personnel to confirm that the operational and data collection procedures are implemented in accordance with the Monitoring Plan • A cross-check between information provided in the MR and data from other sources • A check of the monitoring equipment including calibration performance, and observations of monitoring practices against the requirements of the PDD and the applied methodology • A review of calculations and assumptions made in determining the GHG data and ERs, and • An identification of QA/QC procedures in place to prevent, or identify and correct, any errors or omissions in the reported monitoring parameters

Verification Team confirms that there is no perceived or potential conflict of interest and provided complete list of the people including personnel interview and local stakeholder’s interview during site visit, including information on the organization they represent are disclosed in confidential version of this document.

2.3 Reporting of Findings

The objective of this step is to identify, discuss and conclude on the issues related to the monitoring, implementation and operations of the registered project activity that could impair the capacity of the registered project activity to achieve emission reductions or influence the monitoring and reporting of emission reductions. This is done based on the desk review and onsite assessment. The verification team prepares and/or updates a verification protocol (internal document) that records the conformities and non-conformities, which may be of following types;

CAR (Corrective Action Request) is raised if one of the following occurs:

- Non-compliance with the monitoring plan, the methodology or the standardized baseline are found in monitoring and reporting and has not been sufficiently documented by the project participants, or if the evidence provided to prove conformity is insufficient;
- Modifications to the implementation, operation and monitoring of the registered project activity has not been sufficiently documented by the project participants;
- Mistakes have been made in applying assumptions, data or calculations of emission reductions that will impact the quantity of emission reductions;
- Issues identified in a FAR during validation to be verified during verification or previous verification(s) have not been resolved by the project participants.

Clarification request (CL) is raised if information is insufficient or not clear enough to determine whether the applicable GS4GG requirements have been met. All CARs and CLs raised by the VKU Certification during verification shall be resolved prior to submitting a request for issuance.

FAR (Forward Action Request) is raised during verification if the monitoring and reporting require attention and/or adjustment for the next verification period.

In summary, **05 CLs, 07 CARs** were raised during this verification, which were closed successfully, **and 01 FAR** was raised during this verification, which needs to be checked during the next verification, and details are provided under section 6 of this report.

All the findings that are raised and communicated to project representative during the verification are included under Section 6. The section also includes the response, if provided, by the project participants and an assessment by the verification team if it was closed out or otherwise.

2.4 Technical Review

A draft verification report that is prepared by verification team is reviewed by an independent technical review team (one or more members) to confirm if the internal procedures established and implemented by VKU Certification were duly complied with and such opinion/conclusion is reached in an objective manner that complies with the GS4GG rules and 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 are independent of the verification team.

During the technical review process additional findings may be identified or the closed-out findings may be opened, which needs to be satisfactorily resolved before the request for issuance is submitted to GS4GG. The independent technical reviewer may either approve the report as such or reject/return the same in such case providing the comments/findings/issues that needs to be resolved by the verification team. The decision taken by the Technical Reviewer is final and is authorized by the Managing Director on behalf of VKU Certification Private Limited.

3. VERIFICATION FINDINGS

This section summarises the findings from the verification of the emission reductions reported for the “70 MW Bhadla Solar power Plant by Fortum Finnsurya Energy Private Ltd. (EKIESL-CDM-APRIL-16-01)” for the monitoring period 01/10/2023 – 31/12/2024 (both dates included).

The project has exclusively applied for registration under the Gold Standard (GS) with ID: 5519. This sole registration status has been confirmed through rigorous scrutiny of the Gold Standard registry website. A similar comprehensive search was conducted across the CDM (Clean Development Mechanism), VCS (Verified Carbon Standard), GCC (Global Carbon Council) and UCR (Universal Carbon Registry) etc registries, using matching project titles and capacity, as well as Project Proponent details.

It has been found that the project has been registered under the CDM Mechanism with [UNFCCC ID – 10403](#). However, it has been clarified that credits for the same monitoring period will not be claimed to avoid double counting.

Verification through Declaration:

The Project Developer (PD) has substantiated this single-registration claim through the declaration /32/ submitted, affirming that the GHG emission reductions achieved by the project during the current monitoring period will not be sought or claimed under any other registries apart from GS.

Cross-Verification of GHG Benefits:

An independent search was also conducted to ascertain whether the project had been registered or claimed for other GHG-related benefits, such as Renewable Energy Certificates (RECs) and International Renewable Energy Certificates (I-RECs). This thorough assessment, coupled with the declaration submitted by the PD, corroborates that there is no double counting of GHG benefits arising from this project activity for the current monitoring period.

The project's non-rejection status by other GHG programs has also been confirmed through a meticulous assessment. A declaration /32/ attesting to this fact was duly verified and found to be accurate by the assessment team. Additionally, an independent verification process was initiated with other relevant registries, which substantiated that there were no instances of project rejection by these entities.

In conclusion, the project's exclusive registration under GS for the current monitoring period, along with its absence from rejection lists of other GHG programs, has been comprehensively verified, ensuring the integrity and credibility of its GHG benefits claims. Details of the registries checked are as follows:

- 1) <https://www.recregistryindia.nic.in/>
- 2) [Verra Search Page](#)
- 3) [I-REC Standard - The International REC Standard Foundation \(irecstandard.org\)](#)
- 4) <https://cri.nccf.in/>

- 5) International Carbon Registry - International Carbon Registry
- 6) GCC PROJECTS PORTAL (globalcarboncouncil.com)
- 7) https://biocarbonregistry.com/en/projects/
- 8) https://wilder.earth/social_carbon
- 9) https://www.ucarbonregistry.io/
- 10) https://www.ecoregistry.io/
- 11) (https://www.carbonregistry.com/explore/projects)
- 12) (https://wilder.earth/social_carbon)
- 13) (https://www.ecoregistry.io/)

3.1 Description of project

3.1.1 General description of project

Verification Means	<p>Means: During desk review and Onsite Inspection</p> <p>Activity Performed: The Assessment Team verified MR version 1.0 dated: 21/02/2025 and final MR version 04 dated 01/09/2025/19/ with the GS PDD & further with supporting documents submitted by the PD i.e., Last Verification Report /16/, Validation Report /15/ Commissioning certificate/21/ & Power Purchase Agreement /30/, etc</p>
Findings	No findings were raised in this section.
Conclusions	<p>Verification is done in accordance with the registered PDD. General description of the project was verified via Commissioning certificates, PPA.</p> <p>Since all data was verified thoroughly, the Assessment Team can ascertain that the description of the project mentioned is in line with GS4GG standards Version 2.0. and Principles and Requirements v2.1.</p>

3.1.2 Location of Project

Verification Means	<p>Means: During desk review and Onsite Inspection</p> <p>Activity Performed: The assessment team verified MR version 1.0 dated: 21/02/2025 and final MR version 04 dated 01/09/2025 /19/, with the GS PDD & further with supporting documents submitted by the PD i.e., Last Verification Report /16/, Validation Report /15/, Assessment Team used GPS Map Camera: Geotag Photos & Add GPS Location /38/ during site visit to confirm the location and geo-tagged the evidences collected/recorded,</p> <p>Also, during desk-review, team employed Google Earth Pro Software /38/ to confirm if the site to be visited is actually installed and reflected at the geo-coordinates defined in the registered PDD. Please refer the image below to confirm the same.</p>
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Findings	CAR#2 was raised and resolved, please refer Section 06 for detailed analysis of the finding raised.
Conclusions	<p>Verification is done in accordance with the registered monitoring plan and was verified using Google earth pro during desk review and via GPS Map Camera app during on-site visit.</p> <p>Since, 100% data was verified, the assessment team can ascertain that the location of project mentioned is correct and in compliance.</p>

3.1.3 Reference of applied methodology

Verification Means	<p>Means: During desk review and Onsite Inspection</p> <p>Activity Performed: The Assessment Team verified MR version 1.0 dated: 21/02/2025, final MR version 04 dated 01/09/2025 & ER Sheet/20/, with registered GS PDD /14/ & applied methodology ACM0002 Version 20.0 as this a large-scale solar project. /12/</p>
Findings	No findings were raised in this section.
Conclusions	<p>Verification is done in accordance with the registered PDD and applied methodology ACM0002 Version 20.0 as this a large-scale solar project.</p> <p>Since data mentioned in MR was verified thoroughly via registered PDD, the assessment team can ascertain that the description of the methodology used in the project mentioned is in line with GS4GG standards.</p> <p>The link provided for the reference of the applied methodology was incorrect which was further updated by the PD.</p>

3.1.4 Crediting period of Project

Verification Means	<p>Means: During desk review and Onsite Inspection</p> <p>Activity Performed: The assessment team verified MR version 1.0 dated: 21/02/2025 and final MR version 04 dated 01/09/2025/19/, with registered GS PDD/14/ & further with supporting documents submitted by the PD i.e., Last Verification Report /16/, Validation Report /15/.</p>
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Findings	No findings were raised in this section.
Conclusions	Verification Team assessed that this is the 2 nd crediting period of the given project activity i.e., from 06/11/2022 to 05/11/2027 (Length of 5 years and renewable). This was verified via registered PDD and GS impact registry. Based on this, it can be concluded that crediting period start date and its length is correct and is in line with GS4GG VVS/5/, GS4GG principles and requirements /1/.

3.2 Remaining Issues (FAR(s) from validation or previous verification)

No Forward Action Request (FAR) was raised during the previous verification; hence, there are no pending actions to be addressed in the current verification.

3.3 Post registration changes

Type of change(s)	Temporary deviations from the registered monitoring plan, monitoring methodology or standardized baseline
Description of change(s)	N/A
Assessment of change(s)	N/A
Opinion on change(s)	N/A

Type of change(s)	Corrections
Description of change(s)	<p>As per the registered GS PDD, “Fortum FinnSurya Energy Private Limited” was identified as the project developer for the activity. However, on 23/07/2018, a carbon credit transfer agreement was executed between “Fortum FinnSurya Energy Private Limited” and “Fortum India Private Limited.” While Fortum FinnSurya Energy Private Limited remains responsible for the overall management of the 70 MW project activity, a GS4GG cover letter/35/ submitted to Gold Standard confirms the transfer of all carbon credit rights to “Fortum India Private Limited.” Accordingly, “Fortum India Private Limited” is now acting as the project developer for this activity.</p> <p>Furthermore, these corrections do not impact the baseline or the additionality of the project.</p>
Assessment of change(s)	<p>Compliance with GS4GG Principles and Requirements v2.1</p> <p>Principle: GS4GG Principles and Requirements v2.1 require transparency and accuracy in project documentation, including the identification of the project developer and the entity entitled to carbon credits.</p>



	<p>Assessment:</p> <p>The correction-transferring carbon credit rights from Fortum FinnSurya Energy Private Limited to Fortum India Private Limited and updating the project developer—has been transparently documented. The GS4GG cover letter/35/ submitted to Gold Standard confirms this transfer, ensuring that the project documentation accurately reflects the current management and credit entitlement structure.</p> <p>Compliance with GS4GG Validation and Verification Standard v2.0</p> <p>Requirement:</p> <p>The standard requires that all project information, including the project developer and credit ownership, is accurately reflected in the Project Design Document (PDD) and supporting documentation. The VVB must confirm that the project is implemented as described and that any changes are properly justified and documented.</p> <p>Assessment:</p> <p>The VVB has reviewed the executed carbon credit transfer agreement and the GS4GG cover letter/35/. The updated documentation accurately reflects the actual project structure and the transfer of carbon credit rights. There is no impact on the baseline scenario, additionality, or the application of the approved methodology.</p>
Opinion on change(s)	<ul style="list-style-type: none"> • The change is consistent with the principles of transparency, accuracy, and proper documentation as per GS4GG v2.1. • The corrections are in line with GS4GG Validation and Verification Standard v2.0, as the updated information is accurate, justified, and does not alter the fundamental project parameters. • The corrected information regarding the project developer and carbon credit rights accurately reflects the current management and legal structure of the project. • The corrections do not affect the baseline, additionality, monitoring plan, or the application of the approved methodology. <p>Conclusion:</p> <p>The project remains in compliance with all relevant GS4GG requirements, and the corrected parameters are fully consistent with the applied methodology and monitoring plan.</p>

Type of change(s)	Changes to the start date of the crediting period
Description of change(s)	N/A
Assessment of change(s)	N/A

Opinion on change(s)	N/A
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Type of change(s)	Permanent changes from the design Certified registered monitoring plan, applied monitoring methodology or standardized baseline
Description of change(s)	N/A
Assessment of change(s)	N/A
Opinion on change(s)	N/A

Type of change(s)	Changes to the project design of approved project activity
Description of change(s)	N/A
Assessment of change(s)	N/A
Opinion on change(s)	N/A

3.4 Description of monitoring system applied by the project

Project entails installation & operation of 70 MW (AC) grid connected solar photovoltaic power plant. The monitoring plan has been crafted in alignment with the guidelines and processes established for the GS4GG project in Rajasthan, India, specifically for grid-connected solar power projects.

The project activity is estimated to operate with a plant load factor of 20%, which enables it to export **121,420 MWh** of electrical energy annually to the Unified Indian grid. This, in turn, leads to an average annual reduction of **112,980 metric tons of carbon dioxide (tCO₂e)** per year stemming from the project's operations. It's worth noting that the project activity does not entail any technology transfer.

Table No 13: Commissioning dates for the project activity

S.No.	Organization name	Location	Capacity (AC)	Date of Commissioning
1	Fortum FinnSurya Energy Private Limited	Village Bhadla, District-Jodhpur, Rajasthan, India	70 MW	31/03/2017

Table no 14: Technical specifications /22/

Capacity	70 MW (AC) / (87.5 MWp)	
SPV Modules – Type/make	Thin film Cadmium Telluride (CadTel)/ First Solar	
No. of Photovoltaic Modules / Rating	112.5 Wp	88,800
	115 Wp	587,000
	117.5 Wp	85,200
Inverters – Type/make	String/ABB	
No. of Inverter / Rating	70 /1000 KVA	



Name of Substation	220kV pooling substation (GSS – II) at Bhadla Village
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The monitoring plan adheres to the guidelines for GS project activities and is made for a grid-connected solar power project in Rajasthan, India. The plan, executed by the project participant, delineates the monitoring organization, parameters, practices, quality assurance, quality control procedures, and data storage and archiving.

Monitoring Data: The ex-post monitored parameter is the net electricity supplied to the grid ($EG_{PJ,y}$) in the year y.

Measurement Method: $EG_{PJ,y}$ is measured by a main meter at the 132/220kV pooling substation (GSS – II) in Bhadla Village. All the plants (including the project activity solar plant and other investors solar plant) plants, are connected to the common metering point at the 132/220 kV GSS II pooling substation. At this pooling substation, each project activity has a dedicated energy meter installed separately, and billing is carried out based on these individual meters for each project activity. Further, electricity is transferred to 220/400 kV RRVPNL substation. Meters are bi-directional with an accuracy class of 0.2s. Measurement results are cross-checked with records from invoices. Collected data are electronically archived for at least 2 years after the last crediting period. Meters are calibrated every five years, following the Central Electricity Authority (Installation & Operation Meters) Regulations, 2006

The main meter is used for billing purpose and in case of any issues with main meter, check meter would be used. Standby meter is only used in failure of the main meter and check meter. On-grid electricity is continuously monitored and recorded monthly.

Data Measurement: Export and import energy are continuously measured using Main and Check meters at the substation. The main meter is utilized for billing, with the check meter as backup. Readings are taken by authorized officers of JDVVNL (Jodhpur Vidhyut Vitran Nigan Limited) and RSDCL (Rajasthan SolarPark Development Company Limited) in the presence of the project participant or their representative. The export/import (transmission) losses between two substations are apportioned based on pooling substation readings. Apportioning is not done by PD; it is calculated by JDVVNL in loss sheet and provided to PD for raising invoice considering transmission loss. The apportioned value provided in loss sheet is considered while calculating net generation from invoice as follows $Net\ Generation = Export - Import - Transmission\ loss$

For ER calculation minimum of JMR and invoice is used as conservative approach.

Data Collection and Archiving: Meter readings are collected daily in the presence of the plant in-charge. Export and import data are recorded and stored in logs and electronically on a daily basis. Records are periodically checked by the Plant Manager and discussed with the plant supervisor. Monitored data will be stored for 2 years after the crediting period or the last issuance of GS-VERs, whichever occurs later.

Emergency Preparedness: No unidentified activities leading to substantial emissions are anticipated from the project activity, eliminating the need for emergency preparedness in data monitoring. In case Main meter or Check meter is found to be outside the acceptable limits of accuracy or faulty or not functioning properly, it will be repaired, recalibrated or replaced as soon as possible. In the event that the Main meter will not be in service as a result of maintenance, repairs or testing, the Check meter will be used for readings. In case both the main and check meter are found to be outside the acceptable limits of accuracy or faulty or not functioning properly, both the meters will be calibrated immediately, and the error percentage found in the main meter during its calibration will be applied to its metered energy data for the entire period since its last calibration to obtain the corrected value of net electricity exported to the grid. Standby meter is only used in failure of the main meter and check meter.

Authority and Responsibility: The project participant holds authority and responsibility for registration, monitoring, measurement, reporting, and data review. The proposed team structure includes members responsible for data monitoring, collection, archiving, and equipment calibration.

The responsibility of operation and maintenance of the plant lies with the PP itself i.e. Fortum FinnSurya Energy Private Limited.

O & M Head

- Reviewing the monthly and annual generation statistics.
- Evaluating the GHG performance of the project activity.
- Identifying the opportunities for future improvement.
- Addressing the grievance related to project activity.
- Sends the monitored data to consultants for emission reduction calculations.

Site In-charge/ Technician/ Supervisor Organization:

- Primarily collects data.
- Conducts regular testing and calibration of monitoring equipment.
- Monitors, records, reports, and archives data.
- Prepares credit statements.
- Implementation of corrective appropriate measures in case any discrepancies are identified in the reported parameters.
- The authority and responsibility for registration, monitoring, measurement, reporting and reviewing of the data rests with the project participant.

Personnel Training: Staff has been trained to ensure the proper functioning of the project activity and accurate monitoring of emission reductions. Plant helpers are trained in equipment operation, data recording, report writing, operation and maintenance, and emergency procedures as per the monitoring plan.

Metering Arrangement: Billing meters (main and check meters) are installed at 132/220 KV RSDCL GSS – II pooling station and further electricity is transferred to 220/400 KV RRVNPL substation, and Standby meter at plant end is only used in failure of the main meter and check meter as indicated in the schematic diagram for Bhadla Solar Phase II for 70 MW Fortum FinnSurya Energy Pvt. Ltd mentioned in MR/19/.

3.4.1 Compliance of monitoring plan with monitoring methodology

The verification team confirms that the monitoring plan and the monitoring system implemented are in compliance to the applied monitoring methodology ACM0002, version 20.0 /12/. All other requirements of the applied methodology are met.

During the verification all relevant monitoring parameters (as listed in the GS4GG PDD/14/) have been verified with regard to the appropriateness of the applied measurement/determination method, the correctness of the values applied for ER calculation, the accuracy, and applied QA/QC measures.

Opinion: The monitoring mechanism is in line with the methodology and is effective and reliable. The monitoring plan mentioned in the GSPDD/14/ is in line with the applied methodology i.e. — ACM0002, version 20.0 /12/ and approved standardized baseline that is applied by the registered GS4GG project activity PDD /14/.



Apportioning the net electricity exported to grid, as recorded in the monthly JMR, based on the number of days in the monitoring period and the number of days for which Joint Meter Reading report was taken. The net electricity exported to the grid is calculated from:

$$\text{Net electricity exported to the grid} = (A/B) * C$$

Where:

A= Number of days matching in billing period and monitoring period.

B= Total number of days of the billing period/month

C= Net electricity supplied to the grid for that given billing period/month

Calculation of net electricity exported to the grid was calculated by both the approaches and conservative value among the two is used for calculation of emission reductions during the particular period.

VVB’s opinion: The VVB has reviewed the project developer's approach used to determine the net electricity exported to the grid during the monitoring period when it did not match the billing cycle is appropriate and conservative. The following was noted:

- The project developer has followed the procedure outlined in the registered GS PDD, which states that in case the billing cycle and monitoring period do not match, the daily generation data should be used to determine the net electricity export.
- In this specific case, the project developer has adopted a conservative approach by:
 - a. Calculating the net electricity exported using both the daily generation data and the apportioned value from the monthly Joint Meter Reading (JMR) report.
 - b. Using the lower, more conservative value of the two for the emission reduction calculations.
- The revised emission reduction calculation sheet (Tab 02 of ER Sheet) monitoring report & Verification Report now clearly document this approach, providing transparency on the methodology used.

The VVB is satisfied that the project developer has appropriately addressed the discrepancy identified and has implemented a robust, conservative approach to determining the net electricity exported during the monitoring period. This ensures the accuracy and reliability of the emission reduction calculations.

3.4.2 Compliance of monitoring activities with the registered Monitoring plan

3.4.2.1 Data and Parameters fixed ex-ante or at renewal of crediting period

Verification Means	Means: During desk review and Onsite Inspection Activity Performed: The assessment team verified MR version 1.0 dated 21/02/2025 and final MR version 04 dated 01/09/2025/19/, with GS4GG/PDD/14/.			
Findings	CAR#3 was raised and was further closed successfully, please refer Section 6 for detailed analysis of the finding raised.			
Conclusions	Details of ex-ante parameters			
	Parameter	Unit	Description	Value

	EF _{OM, y}	tCO _{2e} /MWh	Operating Margin CO ₂ emission factor in year y	0.9522								
	EF _{BM, y}	tCO _{2e} /MWh	Build Margin CO ₂ emission factor in year y	0.8653								
	EF _{CM, y}	tCO _{2e} /MWh	Combined Margin CO ₂ emission factor in year y	0.9305								
<table border="1"> <thead> <tr> <th>Parameter</th> <th>Unit</th> </tr> </thead> <tbody> <tr> <td>EF_{OM, y}</td> <td>Calculated as the last 3 year (2018-19, 2019-20 and 2020-21) generation-weighted average, sourced from Baseline CO₂ Emission Database, Version 17.0, October 2021 published by Central Electricity Authority (CEA), Government of India</td> </tr> <tr> <td>EF_{BM, y}</td> <td>Baseline CO₂ Emission Database, Version 17.0, Oct 2021 published by Central Electricity Authority (CEA), Government of India</td> </tr> <tr> <td>EF_{CM, y}</td> <td>Calculated as the weighted average of the operating margin (0.75) & build margin (0.25) values, sourced from Baseline CO₂ Emission Database, Version 17.0, Oct 2021 published by Central Electricity Authority (CEA), Government of India</td> </tr> </tbody> </table>					Parameter	Unit	EF _{OM, y}	Calculated as the last 3 year (2018-19, 2019-20 and 2020-21) generation-weighted average, sourced from Baseline CO ₂ Emission Database, Version 17.0, October 2021 published by Central Electricity Authority (CEA), Government of India	EF _{BM, y}	Baseline CO ₂ Emission Database, Version 17.0, Oct 2021 published by Central Electricity Authority (CEA), Government of India	EF _{CM, y}	Calculated as the weighted average of the operating margin (0.75) & build margin (0.25) values, sourced from Baseline CO ₂ Emission Database, Version 17.0, Oct 2021 published by Central Electricity Authority (CEA), Government of India
Parameter	Unit											
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EF _{BM, y}	Baseline CO ₂ Emission Database, Version 17.0, Oct 2021 published by Central Electricity Authority (CEA), Government of India											
EF _{CM, y}	Calculated as the weighted average of the operating margin (0.75) & build margin (0.25) values, sourced from Baseline CO ₂ Emission Database, Version 17.0, Oct 2021 published by Central Electricity Authority (CEA), Government of India											
<p>Verification is done in accordance with the registered PDD and applied methodology ACM0002 Version 20.0 /12/.</p> <p>The values are obtained from the CO₂ Baseline Database for Indian Power Sector” version 17.0, Oct, 2021 /13/ published by the Central Electricity Authority, Ministry of Power, Government of India as mentioned in MR /19/ and verified as per registered PDD /14/.</p> <p>Assessment Team has cross verified the CEA database /13/ and confirmed the same with registered PD, hence the above ex-ante parameters and their values are in-line with the registered PDD.</p>												

3.4.2.2 Data and Parameters monitored

Verification Means	<p>Means: During desk review and Onsite Inspection</p> <p>Activity Performed: The assessment team verified MR version 1.0 dated: 21/02/2025 and final MR version 04 dated 01/09/2025/19/, with PDD /14/, and other supporting documents i.e., Calibration Records /31/, JMRs /27/, Invoices /28/, Employment Records /25/, Training Records /24/ for the current Monitoring Period.</p>
Findings	<p>CAR#5 and CAR#6 were raised and was further closed successfully, please refer Section 6 for detailed analysis of the finding raised.</p>

Conclusions	Details of monitored parameter (Achieved During Current Monitoring Period)			
	Parameters	Source	Value Applied	Purpose of Data
	EG _{Pjy}	Monthly joint meter reading report/24/.	170,692 MWh	To Monitor the SDG 7 Indicator
	ER _y	The baseline emissions are the product of electrical energy baseline ER _y expressed in MWh of electricity produced by the renewable generating unit multiplied by an emission factor.	153,796 tCO _{2e}	To Monitor the SDG 13 Indicator
Quantitative employment, Quality of employment Income generation	Training Records (HSE & HR) Salary Slip of the project employees.	14 Employees 24 Trainings Income Generation - 14 (12 skilled & 2 semi-skilled) The income to all the workers is made as follows, 384 INR/day (unskilled), 423 INR/day (semiskilled) and 486 INR/day (skilled)) and 612 INR/day (highly skilled)	To Monitor the SDG 8 Indicator	
<p>SDG Indicator 7.2: Affordable and Clean Energy EG_{Pjy}: Quantity of net electricity supplied by the project plant/unit to the grid in year y (MWh)</p>				

The parameter is derived by calculating the variance between the export and import values, which are measured using a bi-directional meter. Additionally, this parameter aligns with the recorded net generation values documented in the State Energy Account on a monthly basis by SEB. The export/import (transmission) losses between these two substations are apportioned based on pooling substation readings. Apportioning is not done by PD; it is calculated by JDVVNL in loss sheet and provided to PD for raising invoice considering transmission loss. The apportioned value provided in loss sheet is considered while calculating net generation from invoice as follows $\text{Net Generation} = \text{Export} - \text{Import} - \text{Transmission loss}$. Furthermore, this parameter is an integral part of the invoices submitted by NTPC to JDVVNL and RSDCL and is consistent with what was outlined in the registered Project Design Document (PDD).

The assessment team meticulously reviewed the value of net electricity exported, as calculated from the State Electricity Account (SEA) records, and confirmed its accuracy. The net electricity supplied to the grid matched the details provided in the invoice statements and was deemed correct. Hence, the value of **170,692 MWh**, as specified in MR 04 dated 01/09/2025 and the emission sheet version 03 dated 03/06/2025, is validated as accurate and complies with the stipulations outlined in Para 364 and 395 (e) of the "CDM validation and verification standard for project activities, Version 03.0."

Monitoring Period (Vintage)	Values (MWh)
01/10/2023 to 31/12/2023	31,359
01/01/2024 to 31/12/2024	139,333
Total	170,692

Additionally, the assessment team scrutinized the Joint Monitoring Reports (JMRs) issued by the State Utility. They also cross-checked the power exported values with the invoices submitted by the Project Developer and found them to be in harmony with the JMRs issued. Calibration of the meter is conducted at five-year intervals, and the most recent calibration is still applicable. This calibration procedure aligns with the provisions set forth in Para 369 and 370 of the "CDM validation and verification standard for project activities, Version 03.0."

The Energy meters used to record the values of export/import are of accuracy class 0.2s and are used to measure the net electricity generated. The assessment Team physically inspected the energy meters installed at site and verified the Serial numbers and confirmed the authenticity of the meter details.

The meters are calibrated **Once in every five year** and the calibration of the meters are verified from calibration certificates provided /31/. During physical inspection of the site, the assessment team also interviewed the site in-charge and confirmed the calibration details. It is to note that calibration is under the purview of state electricity board i.e., Jodhpur Vidhyut Vitran Nigam Limited (JDVVNL) and Rajasthan Solarpark Development Company Limited (RSDCL).

Since 100% data was verified, the assessment team can ascertain that the values for the emission reductions calculated are accurate.

SDG Indicator SDG 8.5.1: Decent Work and Economic Growth

The parameter under consideration is the average hourly earnings of both female and male employees, categorized by occupation, age, and individuals with disabilities.

- Regarding quantitative employment and income generation, this involves tracking the number of project employees, their gender, employment type (permanent/temporary), age, disability status, and the salaries paid to them. The parameter is determined by the total number of individuals employed directly as a result of the project's activities, and it takes into account the improved salary provided to these employees, during the current monitoring period.
- In this specific case, the data reveals that there were a total of 14 employees during this monitoring period.

Monitoring Period (Vintage)	Total ⁶	Skilled	Semi-skilled	Unskilled
01/10/2023 to 31/12/2023	14	12	2	0
01/01/2024 to 31/12/2024	14	12	2	0

- Further to add more to the impact this project activity has over SDG 08 has is that the number of jobs mentioned above i.e., employees hired during current monitoring period are permanent and full time in nature totalling 14 employees that are working. *(Please note that total employee number is subject to change since PD has no control over if any employee resigns during their period at the plant. The total number of employees might differ if compared with last monitoring period.)*
- Females are not employed at the site until now. Females are employed at the Head and corporates offices.
- VVB assessed the salary/per day wage of all the employees is disbursed as per state labour laws or not and for that VVB has raised clarification/correction requests during the verification assessment and technical review stage and following was concluded.
- The project developer goes beyond mere compliance with minimum wage regulations, demonstrating a commitment to the principles of Sustainable Development Goal 8 (SDG 08) and Gold Standard requirements. By ensuring that workers receive wages higher than the prescribed minimums, the developer not only meets legal obligations but also prioritizes fair compensation and decent work conditions. PD has also submitted a declaration for the same. This approach contributes to the broader goal of promoting sustainable economic growth, full and productive employment, and decent work for all, as outlined by SDG 08. Additionally, adherence to Gold

⁶ No of employees is maintained during this monitoring period.

	<p>Standard requirements signifies a commitment to environmentally and socially responsible project development, which includes fair treatment of workers. Thus, the developer's actions not only benefit the workers directly but also contribute positively to the overall sustainability and ethical standards of the solar plant implementation.</p> <ul style="list-style-type: none"> • The project developer ensures that all workers are paid above the minimum wage requirements set by the Department of Labour Rajasthan (https://labour.rajasthan.gov.in/notification.aspx). • As per minimum wages notification, 2023 by Department of Labour Rajasthan dated 04/09/2023, the workers in Rajasthan under schedule – I, s. no. 24 are required to be paid minimum wages <ul style="list-style-type: none"> a) Unskilled Workers - 285 INR per day or 7410 INR per month b) Semi-skilled Workers - 297 INR per day or 7722 INR per month c) Skilled Workers – 309 INR per day or 8034 INR per month d) Highly Skilled Workers - 359 INR per day or 9334 INR per month • However, the developer pays workers even more, with rates of <ul style="list-style-type: none"> (a) 384 INR/day for unskilled workers (b) 423 INR/day for semi-skilled workers (c) 486 INR/day for skilled workers (d) 612 INR/day for highly skilled workers <p>It is to note the salary received by the Highly skilled/skilled/semi-skilled/unskilled employees is differential in nature and due to confidentiality issues the salary cannot be disclosed, however to establish an overall comparison PD has disclosed the per day wage of each type of employee which is transparently higher than as specified by the state government mandate. This commitment exceeds the minimum wage requirements and reflects the developer's adherence to Sustainable Development Goal 8 (SDG 08) requirements and Gold Standard guidelines. The assessment team found this information acceptable and verified it using the salary slips, Declaration⁷ submitted by PD, Training Attendance sheets & Employee Records submitted along with interview/focussed group discussion with site personnels/stakeholders while physically inspecting the project implemented site.</p> <p>During interviews and focused group discussions with site personnel, it was also verified that the total number of workers at the plant is determined based on the daily log available on-site. This log includes information on the number of men and women employed, ensuring equal pay for work of equal value without any gender discrimination. The employment records detail the type of employment (temporary/permanent, skilled/unskilled) and guarantee that all workers receive equal pay for the same work, regardless of gender. Employment generation encompasses both project implementation and Operation and Maintenance phases, with a focus on creating sustainable, ongoing</p>
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⁷ Declaration for salary paid to the employees of the project site during the monitoring period.

	<p>employment opportunities. This commitment to fair employment practices was confirmed through site visits and discussions with project personnel.</p> <p>SDG Indicator 13.2.1: Climate Action Urgent measures must be taken to address the challenges posed by climate change and its consequences on consumption. In terms of air quality, the reduction in carbon dioxide (CO₂) emissions resulting from the implementation of the project activity is measured in tCO₂e (metric tons of CO₂ equivalent). This parameter is computed by multiplying the baseline electrical energy (EG_{PJ,y}) expressed in MWh (megawatt-hours) of electricity generated by the renewable power unit by an appropriate emission factor.</p> <table border="1"> <thead> <tr> <th>Monitoring Period (Vintage)</th> <th>Values (GS-VERs)</th> </tr> </thead> <tbody> <tr> <td>01/10/2023 to 31/12/2023</td> <td>29,179</td> </tr> <tr> <td>01/01/2024 to 31/12/2024</td> <td>124,617</td> </tr> <tr> <td>Total</td> <td>153,796 (Vintage wise Rounddown)</td> </tr> </tbody> </table> <p>As per 2.1.1 and 2.1.2 of Assessment Approach for Reporting Higher Ex-post emission reductions/04/, the cause of increase in ERs is primarily attributable to a higher Plant Load Factor (PLF), with the project achieving an actual PLF of 22.17% against the PDD-estimated PLF of 20.00%, representing a 10.92% increase. The higher generation, and consequently higher emission reductions, are the result of improved site-specific conditions such as increased sunshine hours and solar irradiance—factors that are external and not under the control of the project developer. The calculation is clearly presented in the Emission Reduction Sheet, and it indicates that the emission reduction achieved during the current monitoring period is 158,828 tCO₂e but the emission reductions have been capped as per 2.1.4 of Assessment Approach for Reporting Higher Ex-post emission reductions/04/ and actual claimed capped emission reductions are 153,796 tCO₂e. As per 2.1.3, the change in variable value of ERs achieved is not within the range of variation (+/- 10%) applied for sensitivity analysis. Hence, in accordance with 2.1.3.b of Assessment Approach for Reporting Higher Ex-post emission reductions/04/, VVB has raised FAR in the same regard in Section 6 of this report. The assessment team has reviewed this information and confirmed its accuracy. Consequently, the emission reduction calculation is considered correct and in compliance with the necessary standards</p>	Monitoring Period (Vintage)	Values (GS-VERs)	01/10/2023 to 31/12/2023	29,179	01/01/2024 to 31/12/2024	124,617	Total	153,796 (Vintage wise Rounddown)
Monitoring Period (Vintage)	Values (GS-VERs)								
01/10/2023 to 31/12/2023	29,179								
01/01/2024 to 31/12/2024	124,617								
Total	153,796 (Vintage wise Rounddown)								

3.4.2.3 Implementation of Sampling Plan

Verification Means	N/A
Findings	N/A
Conclusions	N/A

3.4.3 Compliance with the calibration frequency requirements for measuring instruments

Verification Means	<p>Means: During desk review and Onsite Inspection</p> <p>Activity Performed: The assessment team verified MR version 1.0 dated: 21/02/2025 and final MR version 04 dated 01/09/2025 /19/, PDD /14/, and other supporting documents i.e., Calibration Records /31/ applicable for the current Monitoring Period.</p>																																
Findings	<p>CAR#3 was raised and was further closed successfully, please refer Section 6 for detailed analysis of the finding raised.</p>																																
Conclusions	<p>Verification is done in accordance with the registered monitoring plan (as per measurement methods and procedures to be applied) and applied methodology. The monitoring results were recorded consistently as per the approved frequency in the monitoring plan.</p> <p>Calibration is performed <i>once in five years</i> as per registered PDD /14/ and PPA /30/. Calibration frequency was cross verified via calibration certificates and was found to be in line with the registered PDD /14/ and PPA /30/.</p> <p>Calibration is conducted by a NABL accredited Laboratory under the purview of State Electricity Board and Calibration records are maintained at the plant. The data is cross-verified against values of sold electricity in the joint meter reading statement issued by the Jodhpur Vidhyut Vitran Nigam Limited (JDVVNL) and Rajasthan Solarpark Development Company Limited (RSDCL). The meter is in control and supervision of JDVVNL and RSDCL and are calibrated only as and when JDVVNL desires.</p> <p>Calibration is performed by an NABL accredited Laboratory i.e., Darsh Calibration Private Limited with Certificate Number: CC-2070 /31/</p> <p>The metering system comprises of main and check meter. In the event that the main metering system is not in service due to maintenance, repair or testing, the reading is obtained from the check meter.</p> <p>The calibration of energy meters installed at all plant sites are applicable for the current monitoring period. For 70 MW solar plant connected to 132/220kV pooling substation (GSS – II) at Bhadla Village, the due date of calibration was 12/03/2024. However, the energy meters got calibrated on 13/03/2023, hence there is no delay in calibration and there is no requirement of application of error factors. This was confirmed by VVB during onsite assessment while inspecting energy meters and cross-verifying the calibration certificates. /31/</p> <p>Calibration Details of meters:</p> <p>1. For 70 MW solar plant connected to Bhadla Substation:</p> <table border="1"> <thead> <tr> <th>Meter</th> <th>Serial Number</th> <th>Type</th> <th>Make</th> <th>Model</th> <th>Accuracy Class</th> <th>Date of calibration</th> <th>Due date of calibration</th> </tr> </thead> <tbody> <tr> <td>Main Meter</td> <td>16195106</td> <td>3phase 4wire</td> <td>L&T</td> <td>ER300P</td> <td>0.2s</td> <td>13/03/2023</td> <td>12/03/2028</td> </tr> <tr> <td>Check meter</td> <td>16195107</td> <td>3phase 4wire</td> <td>L&T</td> <td>ER300P</td> <td>0.2s</td> <td>13/03/2023</td> <td>12/03/2028</td> </tr> <tr> <td>Standby meter</td> <td>16195098</td> <td>3phase 4wire</td> <td>L&T</td> <td>ER300P</td> <td>0.2s</td> <td>13/03/2023</td> <td>12/03/2028</td> </tr> </tbody> </table>	Meter	Serial Number	Type	Make	Model	Accuracy Class	Date of calibration	Due date of calibration	Main Meter	16195106	3phase 4wire	L&T	ER300P	0.2s	13/03/2023	12/03/2028	Check meter	16195107	3phase 4wire	L&T	ER300P	0.2s	13/03/2023	12/03/2028	Standby meter	16195098	3phase 4wire	L&T	ER300P	0.2s	13/03/2023	12/03/2028
Meter	Serial Number	Type	Make	Model	Accuracy Class	Date of calibration	Due date of calibration																										
Main Meter	16195106	3phase 4wire	L&T	ER300P	0.2s	13/03/2023	12/03/2028																										
Check meter	16195107	3phase 4wire	L&T	ER300P	0.2s	13/03/2023	12/03/2028																										
Standby meter	16195098	3phase 4wire	L&T	ER300P	0.2s	13/03/2023	12/03/2028																										

	<p>During the verification assessment of project activity, accuracy of all metering equipment's has been checked and found appropriate by assessment team during onsite visit/36/. The installation and working conditions of the meters were checked during the site inspection/39/ and were found to be satisfactory as compared to the provision of calibration/testing frequency, prescribed under the GS4GG/PDD/14/.</p> <p>Jodhpur Vidhyut Vitran Nigam Limited (JDVVNL) is the sole authority under the purview of which the meter calibration is done which is as per local/ national standards or the manufacturer's specifications /22/. The calibration records are kept at the plant site by the PD for record purpose.</p> <p>VVB's Opinion: The VVB has reviewed the meter calibration dates provided in the project documentation. The VVB confirms that the project has consistently followed the meter calibration requirements outlined in the registered GS PDD, which align with the Central Electricity Authority (Installation and Operation of Meters) Regulations, 2006. VVB confirmed the same during the onsite visit to the project implemented site by physically inspecting the energy meters installed at the 132/220 KV RSDCL GSS – II pooling station and also by cross-checking the calibration certificates provided by the PD. VVB confirms that the Main and Check meters are located at the 132/220 kV RSDCL GSS Pooling – II pooling substation. While the standby meter is located at Plant end.</p> <p>If local/national standards or the manufacturer's specifications are not available, international standards shall be used but there are national standards (CEA guidelines) available so national standards are followed. PD has considered CEA order dated 17/03/2006; which prescribes under the para 18(b) that "all the meters shall be tested once in five years." Thus, validity of the calibration is considered for five years. Hence the calibration frequency in registered GS4GG/PDD/14/ the frequency is once in 05 years. Which is deemed acceptable to VKU.</p>
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3.5 Assessment of data and calculation of emission reductions or net removals

3.5.1 Calculation of baseline values or estimation of baseline situation of each SDG Impact

Verification Means	<p>Means: During desk review and Onsite Inspection</p> <p>Activity Performed: The assessment team verified MR version 1.0 dated: 21/02/2025 and final MR version 04 dated 01/09/2025 /19/, ER Sheet /20/ with registered GS4GG/PDD/14/, and other supporting documents i.e., PPA /30/ & Validation Report/15/.</p>
Findings	<p>CAR#2 was raised and was further closed successfully, please refer Section 6 for detailed analysis of the finding raised.</p>
Conclusions	<p>Verification is done in accordance with the registered monitoring plan (as per measurement methods and procedures to be applied) and applied methodology. The monitoring results were recorded consistently as per the approved frequency in the monitoring plan.</p>

	<p>SDG 13- The baseline emissions are the product of electrical energy baseline $EG_{PJ,y}$ expressed in MWh of electricity produced by the renewable generating unit multiplied by an emission factor.</p> <p>$BE_y = EG_{PJ,y} * EF_{grid,CM,y} = 158,828 \text{ tCO}_2$ (Round down values)</p> <p>Whereas the GSVERs are claimed at the capped value of 153,796 tCO₂e.</p>										
	<p>Estimated Emission Reduction as in GS PD for the equivalent period of the current Monitoring period, 01/10/2023 to 31/12/2024 (Inclusive of both the days):</p>										
	<table border="1"> <tr> <td>Monitoring Period Start Date</td> <td>01/10/2023</td> </tr> <tr> <td>Monitoring Period End Date</td> <td>31/12/2024</td> </tr> <tr> <td>Days in Current Monitoring period</td> <td>458 Days</td> </tr> <tr> <td>Annual GS-VERs as per GS PDD</td> <td>112,980</td> </tr> <tr> <td>Estimated Emission Reduction as in GS-VERs PDD for the equivalent period of the current Monitoring period</td> <td> <p>= (Annual Estimated GHG emission reductions as per revised GS PD/Total days in a year) * days in current monitoring period</p> <p>= (112,980/365) * 458 = 141,767 (round down) (tCO₂e)</p> </td> </tr> </table>	Monitoring Period Start Date	01/10/2023	Monitoring Period End Date	31/12/2024	Days in Current Monitoring period	458 Days	Annual GS-VERs as per GS PDD	112,980	Estimated Emission Reduction as in GS-VERs PDD for the equivalent period of the current Monitoring period	<p>= (Annual Estimated GHG emission reductions as per revised GS PD/Total days in a year) * days in current monitoring period</p> <p>= (112,980/365) * 458 = 141,767 (round down) (tCO₂e)</p>
	Monitoring Period Start Date	01/10/2023									
	Monitoring Period End Date	31/12/2024									
	Days in Current Monitoring period	458 Days									
	Annual GS-VERs as per GS PDD	112,980									
	Estimated Emission Reduction as in GS-VERs PDD for the equivalent period of the current Monitoring period	<p>= (Annual Estimated GHG emission reductions as per revised GS PD/Total days in a year) * days in current monitoring period</p> <p>= (112,980/365) * 458 = 141,767 (round down) (tCO₂e)</p>									
	<p>SDG 7- The Values estimated in ex-ante calculation of approved PDD for this monitoring period is 152,357 MWh.</p>										
	<p>SDG 8- Total 01 training was to be conducted and 10 employees were to be hired as per ex-ante values estimated in ex-ante calculation of approved PDD for this monitoring period.</p> <p>The Data given in the MR /14/ section E.1 and ER sheet was verified via Registered PDD /13/ during desk review stage and was found to be correct and in compliance with ISO 14064-2 clause 6.4 and 6.5 /9/.</p>										

3.5.2 Calculation of project value or estimation of project situation of each SDG Impact

Verification Means	<p>Means: During desk review and Onsite Inspection</p> <p>Activity Performed: The assessment team verified MR version 1.0 dated: 21/02/2025 and final MR version 04 dated 01/09/2025 /19/, ER Sheet /20/ with registered GS4GG/PDD/14/, and other supporting documents i.e., Validation Report/15/ JMRs /27/, Invoices /28/, Employment Generation data /25/, Training Records /24/ for the current Monitoring Period.</p>
Findings	No finding raised in this section.

Conclusions	<p>Verification is done in accordance with the registered monitoring plan (as per measurement methods and procedures to be applied) and applied methodology. The monitoring results were recorded consistently as per the approved frequency in the monitoring plan.</p> <p>Monitored parameters for the project is-</p> <p>SDG 13:</p> <p>Baseline emissions:</p> <p>It includes only CO₂ emissions from electricity generation in fossil fuel fired power plants that are displaced due to the project activity. The methodology assumes⁸ that all project electricity generation above baseline levels would have been generated by existing grid-connected power plants and the addition of new grid-connected power plants. The baseline emissions are to be calculated as follows:</p> $BE_y = EF_{grid,CM,y} \times EG_{PJ,y}$ <p>Where;</p> <p>BE_y = Baseline emissions in year y, (tCO₂e/yr)</p> <p>EG_{PJ,y} = Quantity of net electricity generation that is produced and fed into the grid as a result of the implementation of the CDM project activity in year y (MWh/yr)</p> <p>EF_{grid,CM,y} = Combined margin CO₂e emission factor for grid connected power generation in year y</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="background-color: #cfe2f3;">Monitoring Period (Vintage)</th> <th style="background-color: #cfe2f3;">Values (MWh)</th> <th style="background-color: #cfe2f3;">Emission factor (tCO₂/MWh)</th> <th style="background-color: #cfe2f3;">Values (GS-VERs)</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">01/10/2023 to 31/12/2023</td> <td style="text-align: center;">31,359</td> <td style="text-align: center;">0.9305</td> <td style="text-align: center;">29,197</td> </tr> <tr> <td style="text-align: center;">01/01/2024 to 31/12/2024</td> <td style="text-align: center;">139,333</td> <td style="text-align: center;">0.9305</td> <td style="text-align: center;">124,617</td> </tr> <tr> <td style="text-align: center;">Total</td> <td style="text-align: center;">170,692</td> <td style="text-align: center;">0.9305</td> <td style="text-align: center;">153,796⁹</td> </tr> </tbody> </table> <p>BE_y = EG_{PJ,y} * EF_{grid,CM,y}.</p> <p>The value of emission reductions is vintage wise rounded down thus maintaining a conservative approach while estimating GS-VERs for current monitoring period.</p> <p>Project Emissions: The calculation is clearly presented in the Emission Reduction Sheet, and it indicates that the emission reduction achieved during the current monitoring period is 158,828 tCO₂e but the emission</p>	Monitoring Period (Vintage)	Values (MWh)	Emission factor (tCO ₂ /MWh)	Values (GS-VERs)	01/10/2023 to 31/12/2023	31,359	0.9305	29,197	01/01/2024 to 31/12/2024	139,333	0.9305	124,617	Total	170,692	0.9305	153,796⁹
Monitoring Period (Vintage)	Values (MWh)	Emission factor (tCO ₂ /MWh)	Values (GS-VERs)														
01/10/2023 to 31/12/2023	31,359	0.9305	29,197														
01/01/2024 to 31/12/2024	139,333	0.9305	124,617														
Total	170,692	0.9305	153,796⁹														

⁸ As per para 39. Of section 5.5 “Baseline emissions” of the Methodology ACM0002 v20.0

⁹ The GSVERs are claimed at the capped value of 153,796 tCO₂e in accordance with Assessment Approach for Reporting Higher Ex-post emission reductions/04/.

reductions have been capped as per 2.1.4 of Assessment Approach for Reporting Higher Ex-post emission reductions/04/ and actual claimed capped emission reductions are **153,796 tCO₂e**. As per 2.1.3, the change in variable value of ERs achieved is not within the range of variation (+/- 10%) applied for sensitivity analysis. Hence, in accordance with 2.1.3.b of Assessment Approach for Reporting Higher Ex-post emission reductions/04/, VVB has raised FAR in the same regard in Section 6 of this report.

As per para 31 of section 5.4 of the approved consolidated Methodology ACM0002 (Version 20.0): /12/

“For most renewable energy power generation project activities, $PE_y = 0$. However, some project activities may involve project emissions that can be significant. These emissions shall be accounted as project emissions by using the following equation:

$$PE_y = PE_{FF,y} + PE_{GP,y} + PE_{HP,y}$$

Where:

PE_y - Project emissions in year y (tCO₂e/yr)

$PE_{FF,y}$ - Project emissions from fossil fuel consumption in year y (t CO₂/yr)

$PE_{GP,y}$ - Project emissions from the operation of dry, flash steam or binary geothermal power plants in year y (tCO₂e/yr)

$PE_{HP,y}$ - Project emissions from water reservoirs of hydro power plants in year y (t CO₂e/yr)

“As the project activity is the installation of a new grid-connected Solar power plant/unit and does not involve any project emissions from fossil fuel, operation of dry, flash steam or binary geothermal power plants, and from water reservoirs of hydro power plants. Therefore $PE_{FF,y}$, $PE_{GP,y}$, $PE_{HP,y}$ is equal to zero and thus,

$$PE_y = 0.$$

Leakage Emissions:

As per para 53 of section 5.6 of the approved consolidated Methodology ACM0002 (Version 20.0)/12/:

No leakage emissions are considered in the project activity. The main emissions potentially giving rise to leakage in the context of electric sector projects are emissions arising due to activities such as power plant construction and upstream emissions from fossil fuel use (e.g., extraction, processing, and transport). Since the emissions sources are small, it is neglected, thus,

$$LE_y = 0.$$

Year	Baseline emissions or	Project emissions or	Leakage emissions (tCO ₂ e)	Net GHG emission reductions
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	removals (tCO ₂ e)	removals (tCO ₂ e)		or removals (tCO ₂ e)
01/10/2023 to 31/12/2024	153,796	0	0	153,796 ¹⁰

SDG 07:
EG_{P,I,y}: During current monitoring period, the project has generated **170,692 MWh** affordable and clean energy.

SDG 08:
Quality of Employment -
 Quantitative employment and income generation

Employee Type	Per Day wage as per State (Rajasthan State Labour Laws) Year 2023	Wage received by Employees at site ¹¹
Unskilled	285	384
Semi-Skilled	297	423
Skilled	309	486
Highly Skilled	359	612

There are a total of 14 employees working in the plant during the current Monitoring Period.

Training of Staff: During this monitoring period a total of 24 trainings were conducted.

Monitoring Period (Vintage)	Trainings
01/10/2023 to 31/12/2023	09
01/01/2024 to 31/12/2024	15
Total	24

These trainings are conducted together with the technology supplier, the Project organize training for the staff on the technology and the monitoring of the plant operation, and the emergency and safety procedures.

The electricity generated was verified via JMRs /27/ and crosschecked with the invoices /28/ provided by the PD and the employment generated was checked via employment records /25/, training records /24/ and salary slips of employees and Plant record /25/. Since 100% data was verified,

¹⁰ Capped value – 153,796 tCO₂
 Actual value – 158,828 tCO₂

¹¹ During the current monitoring period, only semi-skilled and skilled employees were engaged.

	the assessment team can ascertain that the values for the emission reductions calculated are accurate and in line with ISO 14064- 2 clause 6.7 /9/.
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3.5.3 Calculation of Leakage

Verification Means	<p>Means: During desk review and Onsite Inspection</p> <p>Activity Performed: The assessment team verified MR version 1.0 dated: 21/02/2025 and final MR version 04 dated 01/09/2025 /19/, ER Sheet /20/ with registered GS4GG/PDD/14/, and other supporting evidences/applied methodology i.e., ACM0002 Methodology version 20.0/12/</p>
Findings	No findings raised in this section.
Conclusions	<p>Verification is done in accordance with the registered PDD /14/ and applied methodology ACM0002 Version 20.0 /12/.</p> <p>Leakage (LE_y) = 0</p> <p>As per Paragraph 53 of the consolidated methodology ACM0002 Version 20 /12/, there is no leakage emission considered through the renewable project electricity generation.</p>

3.5.4 Summary calculation of GHG emission reductions or net anthropogenic GHG removals by sinks

SDG and SDG Impact	Baseline Estimate	Project Estimate	Net Benefit	Conclusion
13- Climate Action	153,796 tCO ₂ e	0	153,796 tCO ₂ e ¹²	Assessment team conducted desk review and an on-site inspection and verified the data reported in the ER sheet /20/ and MR /19/ for current monitoring period via JMRs /27/ and invoices /28/ raised monthly and found it to be correct.
7- Affordable and Clean	0	170,692 MWh	170,692 MWh	Assessment team verified Net Electricity generated in the current monitoring period via JMRs /27/ that were further crosschecked via invoices /28/ and DGRs /29/ present onsite and found it to be correct.
8- Decent Work and	0	Total 10 people employed and 1 training	Total people Employed: 14	Assessment team verified total employment generated and trainings

¹² The GSVERs are claimed at the capped value of 153,796 tCO₂e in accordance with Assessment Approach for Reporting Higher Ex-post emission reductions/04/.



Economic Growth		conducted Average Salary (INR/Month)	Training Conducted: 24	conducted in the current monitoring period via employment records, salary slips /25/ of employees and training records /24/ and were found to be correct.
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3.5.5 Comparison of actual emission reductions or net anthropogenic GHG removals by sinks with estimates in registered PDD

SDG and SDG Impact	Values estimated in ex ante calculation of approved PDD	Actual values achieved during this monitoring period	Conclusion
13- Climate Action	112,980 tCO ₂	153,796 tCO ₂ e ¹³	Assessment team conducted desk review and an on-site inspection and verified the Net Electricity generation reported in the ER sheet /20/ and MR /19/ for current monitoring period via JMRs /27/ and invoices /28/ raised monthly. Total employment generated and trainings conducted in the current monitoring period were verified via employment records, salary slips /25/ of employees and training records /24/ and were found to be correct.
7- Affordable and Clean	121,420 MWh	170,692 MWh	
8- Decent Work and Economic Growth	1 Trainings 10 employees	24 Trainings 14 employees The income to all the workers is made better than the minimum wage requirements Year 2023.	

3.5.6 Remarks on difference from estimate value in registered PDD

Verification Means	Means: During desk review and Onsite Inspection Activity Performed: The assessment team verified MR version 1.0 dated: 21/02/2025 and final MR version 04 dated 01/09/2025/19/, ER Sheet /20/ with registered GS4GG/PDD/14/.
Findings	No findings have been raised.
Conclusions	The ex-ante estimates value of the emission reductions for the monitoring period as per the registered PDD /14/, is 112,980 tCO ₂ e and the actual emission reductions achieved for the monitoring period is 153,796 tCO ₂ e. The table below defines the estimated and achieved values of the parameters:

¹³ The GSVERs are claimed at the capped value of 153,796 tCO₂e in accordance with Assessment Approach for Reporting Higher Ex-post emission reductions/04/.

SDG Indicator	SDG	Values Estimated Annually	Values Estimated for current MP	Values achieved for Current MP	Unit
Affordable and Clean Energy	SDG 7	121,420	152,357	170,692	MWh
Decent Work and Economic Growth	SDG 8	10	10	14	Number of employees
		01	01	24	Number of Trainings
		-	-	14 (12 skilled & 2 semi-skilled) The income to all the workers is made as follows: 384 INR/day (unskilled), 423 INR/day (semiskilled), 486 INR/day (skilled) and 612 INR/day (highly skilled).	Income generation
Climate Action	SDG 13	112,980	141,767	153,796	tCO ₂ e per annum

For SDG 13,

Based on the verification of the monitoring report and supporting documentation, it is confirmed that the actual emission reductions achieved during the current monitoring period amount to 158,828 tCO₂e, capped to 153,796 tCO₂e, which is approximately 12.03% higher than the estimated emission reductions of 141,766 tCO₂e for the same period. As per 2.1.1 and 2.1.2 of Assessment Approach for Reporting Higher Ex-post emission reductions/04/, the cause of increase is primarily attributable to a higher Plant Load Factor (PLF), with the project achieving an actual PLF of 22.17% against the PDD-estimated PLF of 20.00%, representing a 10.92% increase.

The higher generation, and consequently higher emission reductions, are the result of improved site-specific conditions such as increased sunshine hours and solar irradiance—factors that are external and not under the control of the project developer. However, in accordance with the requirements stipulated under *Rule Clarification: Assessment Approach for Reporting Higher Ex-Post Emission Reductions (Section 2.1.4)/04/*, the emission reductions for the monitoring period are subject to a cap aligned with the upper bound (+10%) of the sensitivity analysis range provided in the registered PDD. As such, the verified emission reductions for this monitoring period are conservatively capped at 153,796 tCO₂e.

	In accordance with 2.1.3.b of Assessment Approach for Reporting Higher Ex-post emission reductions/04/, VVB has raised FAR in the same regard in Section 6 of this report.			
	Parameter	2023	2024	Total
	Actual Emission Reduction achieved during the current monitoring period	29,179 tCO ₂ e	129,649 tCO ₂ e	158,828 tCO ₂ e
	Actual ER Claimed (Capped Values)	29,179 tCO ₂ e	124,617 tCO ₂ e	153,796 tCO ₂ e
The remaining emission reductions that are over and above the upper bound of the sensitivity range			5,032 tCO ₂ e	

3.6 Safeguards Reporting

Since no safeguarding principles were included in the monitoring plan outlined in the registered Gold Standard Project Design Document (PDD), evaluating the relative success or failures, or improvements to proposed mitigation measures in this context is not applicable. and in compliance with GS4GG Safeguarding Principles Requirement v2.1 dated: 29/06/2023/3/.

3.7 Stakeholder inputs and legal disputes

3.7.1 List all Inputs and Grievances which have been received via the Continuous Input and Grievance Mechanism together with their respective responses/mitigations.

During desk review, Assessment team checked the procedures mentioned in MR and during onsite inspection cross verified the same via interviews of site personnel and stakeholders /38/ that as a part of continual improvement process- As a part of continuous feedback from stakeholders, the grievances register/26/ is being placed at the site office and is being continuously monitored and addressed by the grievances cell. The Input/Grievance Register is maintained at the project site plant office. Once a comment or grievance is received, it is documented and presented to the management during the monthly meetings, along with the actions taken to address it. If any input or approval is required from the management, it is discussed and resolved during these monthly management meetings. The right to assess or carry out further investigations is also reserved by the management if deemed necessary. Regarding the submission process, the current procedure involves submission being made directly at the plant office or via the authorized email ID.

In the current monitoring period, no grievances have been received and this was verified during onsite inspection /38/ via the Visitor register cum grievance register /26/ placed on site.

3.7.2 Report on any stakeholder mitigations that were agreed to be monitored.

During onsite inspection Assessment Team verified visitor register cum grievance register /26/ placed on site and conducted personnel interviews /38/ and concluded that there was no negative feedback logged during the current monitoring period. The stakeholders interviewed are listed in Section 2.2 of Confidential version of this report.

3.7.3 Details of legal contest that has arisen with the project during the monitoring period

Assessment Team confirms that the given GS4GG project “70 MW Solar power plant by Fortum FinnSurya Energy Private Ltd. (EKIESL-CDM-APRIL-16-01)” is in compliance with the Host Country “India” legal environmental, ecological and social regulations as per requirements mentioned in section 7.11 at time of validation for design certification for standalone project activity of validation and verification standard v1.0 /5/ and there is no legal challenge that has arisen claiming a project is not in compliance with regulation, during certification process.

3.8 Quality of evidence to determine emission reductions

As per the verification of ER calculation process, assessment team confirmed that all the parameters required for determination of emission reductions has been included in the Monitoring report version 04 dated 01/09/2025 and corresponding ER calculation spread-sheets Version 03 /20/ dated 03/06/2025 and are consistent with the applied methodology ACM0002 Version 20.0 /12/ and the monitoring plan contained in the registered PDD /14/. The parameters used are completely monitored as per the registered PDD /14/ in this monitoring period.

During desk review and onsite inspection, assessment team verified the reported ERs with the help of supporting documents e.g., JMRs, Invoices and conducted personnel interviews to check sufficiency of data and its aggregation. No significant, lack of evidence and missing data were detected during verification. Hence, the verification team confirms that the monitoring plan ensures required management of the monitoring system to ensure the quality of the monitored data. All internal data are subjected to QA/QC measures. The verification process for the same has been clearly described in above section of the report.

Emission reductions is calculated by the “Quantity of net electricity supplied from the project (solar) plant/unit to the grid in year y”, $EG_{\text{facility, y}}$ (MWh) (SDG Indicator 7). This parameter is monitored through the reading of Energy meters installed. The meters have accuracy of class 0.2s. The electricity generated was checked via JMRs /27/ and were crosschecked with records of electricity sale (e.g., sales receipt/Invoices) /28/. Calibration of all the meters undertaken once in every five years as per PPA. On site personnel interview /38/ with the site personnel of the project activity confirms that the necessary QA/QC procedures are in place. Data management system is effective and reliable for the net electricity supplied by the project plant/unit to the grid in year y. Hence assessment can conclude that the data and its management is in compliance with GS4GG validation/ verification standard /5/.

3.9 Management system and quality assurance

The final verification report passed a technical review and completeness check/ Quality check before being submitted to the client for forward submission to GS.

A technical reviewer qualified in accordance with VKU certification competency form which VKU.F8A. Competency Evaluation of Personnel (Internal Document) for validation and verification of GHG projects performed the technical review.

The comments raised during the technical review stage is thoroughly addressed by the assessment team. After the comments raised during this stage is successfully addressed, the Final verification report undergo VKU's Completeness/Quality Check before issuance.

3.10 Verification Assessment

All the data have been made available to the assessment team by PP during site visit/35/ and as supporting evidences during verification assessment which have been monitored as per required monitoring frequency. The means of verification for the values of parameters, used for baseline emission calculation, is described above in the report.

The verification team attests to correctness of the formulas and methodologies used to compute baseline emissions as per GS4GG Validation and Verification Standard V2.0 /5/. Applied default values, emission factors, and assumptions in the calculations are all reasonable. Verification team attests to the correctness of formulas and methodologies used in calculation of baseline emissions, assumptions, emission factors and default values applied in the calculations are justified.

3.11 Verification Opinion

VKU Certification Pvt. Ltd. (VVB), contracted by Infinite Environmental Solutions Limited (Project Representative) and Fortum FinnSurya Energy Pvt. Ltd. (PD), has performed the independent verification of the emission reductions for the GS Project ID 5519 “70 MW Solar power plant by Fortum FinnSurya Energy Private Ltd. (EKIESL-CDM-APRIL-16-01)” for the monitoring period 01/10/2023 to 31/12/2024 as reported in the Monitoring Report, Version 04 dated 01/09/2025. PD name is responsible for the collection of data in accordance with the monitoring plan and the reporting of GHG emissions reductions from the project activity. VKU commenced the verification against the baseline and monitoring methodology ACM0002, version 20.0 the monitoring plan contained in the PDD Version 03 dated 04/02/2023 and Monitoring Report Version 04 dated 01/09/2025.

VKU Certification confirms that the monitoring system is in place and the emission reductions are calculated without material misstatements. This verification report has been prepared using the latest available template specified by GS4GG registry and complies with the instructions to follow as per GS4GG principle and requirements v2.1 and GS4GG validation and verification standard v2.0.

The verification activities were conducted in accordance with VKU Certification’s Quality Manual System, VKU Certification’s SOP 4 and as per the GS4GG validation and verification standard v2.0. As a result, it is concluded that the emission reductions from the GS Project Activity ID 5519 “70 MW Solar power plant by Fortum FinnSurya Energy Private Ltd. (EKIESL-CDM-APRIL-16-01)” are correctly reported in the Monitoring Report (final) Version 04 dated 01/09/2025 and corresponding ER sheet for the monitoring period 01/10/2023 to 31/12/2024 (including both days) amounted as 153,796 tCO₂e.

VVB opinion on issuance as per the ISO 14064-3, clause 9 which is compliance with GS4GG principles and requirement v.12 and GS4GG validation and verification standard v2.0.

VVB Opinion	Conclusion
Positive	<input checked="" type="checkbox"/> (Mark Tick if applicable)
Negative	<input type="checkbox"/> (Mark Tick if applicable)

4. REFERENCE/DOCUMENTS USED IN THE VERIFICATION

S.No	AUTHOR		TITLE	REFERENCE TO THE DOCUMENT	PROVIDER
Background Documents/Weblinks					
1.	Gold Standard		<u>Principles and Requirements</u>	Version 2.1 Dated 31/01/2025	Gold Standard Website
2.	Gold Standard		<u>Stakeholder consultation and engagement requirements</u>	Version 2.1 Dated: 14/06/2022	Gold Standard Website
3.	Gold Standard		<u>Safeguarding principles & requirements</u>	Version 2.1 Dated: 29/06/2023	Gold Standard Website
4.	Gold Standard		<u>Assessment Approach for reporting higher ex-post emission reductions</u>	Version 1 Dated: 04/07/2022	Gold Standard Website
5.	Gold Standard		<u>Validation and verification standard</u>	Version 2.0 Dated: 12/11/2024	Gold Standard Website
6.	Gold Standard		<u>Site visit and remote audit requirements and procedures</u>	Version 2.0 Dated: 30/05/2023	Gold Standard Website
7.	Gold Standard		<u>Applicability of minimum site visit requirement by VVB</u>	Version 2.0 Dated: 16/08/2021	Gold Standard Website
8.	Gold Standard		<u>Validation & verification body requirements</u>	Version 2.0 Dated: 14/01/2021	Gold Standard Website
9.	9.1	ISO	<u>ISO- 14064-2:2019: Specification with guidance at the project level for quantification, monitoring and reporting of greenhouse gas emission reductions or removal enhancements</u>	Dated: 04-2019	ISO Website
	9.2	ISO	<u>ISO 14064-3:2019: Greenhouse gases — Part</u>	Dated: 04-2019	ISO Website

			<u>3: Specification with guidance for the verification and validation of greenhouse gas statements</u>		
	9.3	ISO	<u>ISO 14065:2020: General principles and requirements for bodies validating and verifying environmental information</u>	Dated: 2020-12	ISO Website
	9.4	ISO	<u>ISO/IEC 17029:2019: Conformity assessment — General principles and requirements for validation and verification bodies</u>	Dated: 2019-10	ISO Website
10.	Gold Standard		<u>Renewable energy activity requirements</u>	Version 1.4 Dated: 16/08/2021	Gold Standard Website
11.	Gold Standard		<u>Gold standard eligible impact quantification methodologies</u>	Version 2.4 Dated: 22/06/2023	Gold Standard Website
12.	UNFCCC CDM		<u>Methodology- ACM0002 “Grid-connected electricity generation from renewable sources</u>	Version 20.0 Dated: 28/11/2019	CDM Website
13.	Central Electricity Authority		CO ₂ Baseline Database for Indian Power Sector	Version 17	Central Electricity Authority website
14.	Infinite Environmental Solutions Limited		GS4GG PDD	Version 03, Dated 04/01/2023	Gold Standard Website
15.	Gold Standard		Applus Certification	Design Certification (Validation) Report Version 02 and Dated 03/11/2022	Gold Standard Website
16.	Gold Standard		VKU Certification Private Limited	Registered Previous Verification report Version 1.1 and Dated 06/06/2024	Gold Standard Website
17.	UNFCCC CDM		Tool for the demonstration and assessment of additionality	Version 07	CDM Website
18.	UNFCCC CDM		Tool to calculate the emission factor for an electricity system	Version 07	CDM Website

Reference/Supporting documents submitted by PD to VVB					
19.	Infinite Environmental Solutions Limited	Monitoring Report	Version 01 Dated 21/02/2025 Version 02 Dated 01/05/2025 Version 02.1 Dated 05/06/2025 Version 02.2 Dated 20/06/2025 Version 03 Dated 04/07/2025 Version 04 dated 01/09/2025		Infinite Environmental Solutions Limited
20.	Infinite Environmental Solutions Limited	ER Sheet	Version 01 Dated 21/02/2025 Version 02 Dated 01/05/2025 Version 3.0 Dated 03/06/2025 Version 4.0 Dated 04/07/2025		Infinite Environmental Solutions Limited
21.	Fortum FinnSurya Energy Private Limited	Commissioning Certificate	Commissioning Date: 31-03-2017 Capacity: 70 MW (AC) (87.5 MWp)		Infinite Environmental Solutions Limited
22.	Fortum FinnSurya Energy Private Limited	Technical Specifications	Technical Specifications available for current monitoring period from 01/10/2023 to 31/12/2024 (both days included)		Infinite Environmental Solutions Limited
23.	Fortum FinnSurya Energy Private Limited	Single Line diagram of the project (SLD)	N/A		Infinite Environmental Solutions Limited
24.	Fortum FinnSurya Energy Private Limited	Training Records applicable for current monitoring period from 01/10/ 2023 to 31/12/2024	Training Record are available for current monitoring period from 01/10/2023 to 31/12/2024 (both days included)		Infinite Environmental Solutions Limited
25.	Fortum FinnSurya Energy Private Limited	Employment records Sample salary slips of personnels applicable for the current monitoring period Plant records for employment generation	Employment records and salary slips of personnels available for current monitoring period from 01/10/2023 to 31/12/2024 (both days included)		Infinite Environmental Solutions Limited
26.	Fortum FinnSurya Energy Private Limited	Grievance Register Photograph	Grievance Register Photograph available for current monitoring period from 01/10/2023 to 31/12/2024 (both days included)		Infinite Environmental Solutions Limited



27.	Jd. V.V.N.L (Jodhpur Vidhyut Vitran Nigam Limited)	Joint Meter Reading	Joint Meter Reading available for current monitoring period from 01/10/2023 to 31/12/2024 (both days included)	Infinite Environmental Solutions Limited
28.	Fortum FinnSurya Energy Private Limited	Invoices	Invoices available for current monitoring period from 01/10/2023 to 31/12/2024 (both days included)	Infinite Environmental Solutions Limited
29.	Fortum FinnSurya Energy Private Limited	Daily Generation Records (DGR)	N/A	Infinite Environmental Solutions Limited
30.	Govt. Entity	Power Purchase Agreement	Signed between Fortum FinnSurya Energy Private Limited & NTPC Dated: 26/04/2016 2 nd Amendment agreement to Carbon Credits Transfer Agreement dated 23/07/2018	Infinite Environmental Solutions Limited
31.	Hi-Tech Meter Laboratory	Calibration Certificates of energy meters installed	Certificate dated: 13/03/2023 Certificate No. – CC2070	Infinite Environmental Solutions Limited
32.	Fortum FinnSurya Energy Private Limited	Self- Declaration for no double counting	Self- Declaration for no double counting available for current monitoring period from 01/10/2023 to 31/12/2024 (both days included)	Infinite Environmental Solutions Limited
33.	Fortum FinnSurya Energy Private Limited	Plant Breakdown Detail	N/A	Infinite Environmental Solutions Limited
34.	Fortum FinnSurya Energy Private Limited	PLF Details	N/A	Infinite Environmental Solutions Limited
35.	Fortum FinnSurya Energy Private Limited	GS4GG Cover letter	26/12/2024	Infinite Environmental Solutions Limited
VVB Documents used during Current Verification				
36.	VKU Certification	Onsite Inspection- Site Photographs	Dated: 28/02/2025	N/A



37.	N/A	<u>GPS Map Camera: Geotag Photos & Add GPS Location</u>	N/A	N/A
38.	N/A	<u>Google Earth</u> Software	N/A	N/A
39.	VKU Certification	Onsite Personnel and Stakeholders Interview	Dated: 28/02/2025	N/A
40.	VKU Certification	VKU.F64W.Field Assessment Checklist for Onsite Visit	Dated: 28/02/2025	N/A
41.	VKU Certification	VKU.F46W. Attendance Sheet of Onsite Audit	Dated: 28/02/2025	N/A
42.	VKU Certification	VKU.F56W. Risk Assessment	Version 02 Dated 29/02/2025	N/A
43.	VKU Certification	VKU.F24W.Audit Plan	Dated: 24/02/2025	N/A
44.	VKU Certification	VKU.F72W.Evidence Gathering Plan	Dated: 24/02/2025	N/A

5. Certification Statement

VKU Certification Private Limited (VKU Certification), contracted by Fortum FinnSurya Energy Pvt. Ltd.(PD)and Infinite Environmental Solutions Limited (Project Representative), has performed the independent verification of the emission reductions for the GS4GG project activity , GS 5519 “70 MW Bhadla Solar power plant by Fortum FinnSurya Energy Pvt Ltd (EKIESL-CDM-APRIL 16-01)” in India for the monitoring period 01/10/2023-31/12/2024 as reported in the Monitoring Report (public) Version 04 dated 01/09/2025 . The Fortum FinnSurya Energy Pvt. Ltd.is responsible for the collection of data in accordance with the monitoring plan and the reporting of GHG emissions reductions from the project activity.

It is our responsibility to express an independent verification statement on the reported GHG emission reductions from the project activity

VKU Certification commenced the verification on the basis of the baseline and monitoring methodology ACM0002 V20.0, the monitoring plan contained in the PDD Version 03 dated 04/01/2023, Monitoring Report (public) Version 04 dated 01/09/2025 as per the methodology described under Section 2 of this report.

VKU Certification’s verification approach is based on the understanding of the risks associated with reporting of GHG emission data and the controls in place to mitigate these. VKU Certification planned and performed the verification by obtaining evidence and other information and explanations that VKU Certification considered necessary to give reasonable assurance that reported GHG emission reductions are fairly stated.



In our opinion the GHG emissions reductions reported for the project activity for the period 01/10/2023-31/12/2024 are fairly stated in the Monitoring Report (final) Version 04 dated 01/09/2025 . The GHG emission reductions were calculated correctly on the basis of the approved baseline and monitoring methodology ACM0002 V20.0 and the monitoring plan contained in the PDD Version 03 dated 04/01/2023.

VKU Certification Private Limited is able to certify that the emission reductions from the GS4GG project activity 5519 “70 MW Solar power plant by Fortum FinnSurya Energy Private Ltd. (EKIESL-CDM-APRIL-16-01)” in India during the period 01/10/2023-31/12/2024 (including both days) amount to 153,796 tCO₂e.

Verified and certified emission reductions as per commitment period:

Commitment period¹⁴	Amount
Total 01: From: 01/10/2023-31/12/2023	29,179 tCO ₂ e
Total 02: From 01/01/2024 to 31/12/2024	124,617 tCO ₂ e
Total From 01/10/2023 to 31/12/2024	153,796 tCO ₂ e

Dr Vikas Kumar Aharwal

Founder and Director

VKU Certification Private Limited

09/09/2025

Indore, India

¹⁴ Including both the dates



6. VERIFICATION FINDINGS (CAR/CL/FAR)

Finding No. 01		Date: 10/03/2025
Finding Type- CAR <input type="checkbox"/> CL <input checked="" type="checkbox"/> FAR <input type="checkbox"/>		
Stage of finding raised: Desk Review <input checked="" type="checkbox"/> On-site/remote/hybrid assessment <input type="checkbox"/> Technical Review <input type="checkbox"/> Project Review Report by Registry <input type="checkbox"/>		
Requirement <ul style="list-style-type: none"> • Clause 9.3.10 of the GS Validation and Verification Standard Version 2. • Template guide monitoring report version 1.1 dated 14/10/2020 //Section D.2. 		
Non-Conformity <ol style="list-style-type: none"> 1. The supporting documents required to substantiate the information and data presented in the Monitoring Report have not been submitted as per the remaining document incorporated in the “List of Documents” has not been submitted. 2. In Section D.2 Monitoring report: <ol style="list-style-type: none"> a. It is not clarified how “Source of data” can be “VVB interview with employees” is valid source of data for “Number of employment generation Quantitative employment and income generation”. b. It is not clarified How Source of data can be “VVB interview with employees” is valid source of data for “Quality of employment”. 		
Evidence Monitoring Report version 01 dated 21/02/2025 <ul style="list-style-type: none"> • Section D.2 		
1st Response from PD		Date: 01/05/25
<ol style="list-style-type: none"> 1. All supporting documents have been submitted by PD. 2. In Section D.2 Monitoring report: <ol style="list-style-type: none"> a. The total training topics have been mentioned in the parameters under MR Section D.2, and the supporting documents submitted. b. Currently, it is not required of 'VVB interviews with employees' as a source of data for assessing the quality of employment in this current Monitoring period. 		
Documents provided by PD for review Documents submitted by PD		
1st Review by Assessment Team		Date: 14/05/2025
<ol style="list-style-type: none"> 1. All supporting documents have not been submitted by PD. PD to submit the updated double counting declaration, carbon transfer agreement, annual report for the year 2023-2024. #Open 2. In Section D.2 Monitoring report: <ol style="list-style-type: none"> a. The total training topics have been mentioned in the parameters under MR Section D.2, and the supporting documents submitted. Hence, accepted. #Closed b. Source of data has been updated for Parameter: “Quality of employment”. Hence, accepted. #Closed 		
2nd Response from PD		Date: 27/05/2025



1. Submitting the updated double counting declaration, carbon transfer agreement, annual report for the year 2023-2024.	
Documents provided by PD for review	
No double counting declaration Annual report for 2023 Carbon credit transfer agreement	
2nd Review by Assessment Team	Date: 19/05/2025
<ol style="list-style-type: none"> All supporting documents have not been submitted by PD. PD to submit the updated double counting declaration, annual report for the year 2023-2024. #Open Section C: The Roles & Responsibility table included below does not specify the roles & responsibility related to SDG monitoring and Grievance Mechanism. #Open 	
3rd Response from PD	Date: 05/06/2025
<ol style="list-style-type: none"> Revised No double counting is submitted herewith Revised MR includes the roles & responsibility related to SDG monitoring and Grievance Mechanism 	
Documents provided by PD for review	
Revised No double counting, Revised MR	
3rd Review by Assessment Team	Date: 12/06/2025
<ol style="list-style-type: none"> All supporting documents have been submitted by PD. PD has submitted the updated double counting declaration, annual report for the year 2023-2024. #Closed Section C: The Roles & Responsibility table included below specifies the roles & responsibility related to SDG monitoring and Grievance Mechanism. #Closed 	
CL#1 Closed	

Finding No. 2	Date: 10/03/2025
Finding Type- CAR <input checked="" type="checkbox"/> CL <input type="checkbox"/> FAR <input type="checkbox"/>	
Stage of finding raised :	
Desk Review	<input checked="" type="checkbox"/>
On-site/remote/hybrid assessment	<input type="checkbox"/>
Technical Review	<input type="checkbox"/>
Project Review Report by Registry	<input type="checkbox"/>
Requirement	
Template guide monitoring report version 1.1 dated 14/10/2020 Table 1//Table 2//Section A.1//Section A.2//.	
Non-Conformity	
1. Table 1 of Monitoring Report: No. of employees and No. of training is not consistent with ER sheet submitted.	

<p>2. Table 2 of Monitoring report: Information has not been completed in accordance with the guidelines provided in the template guide. Additionally, the table considers SDG 07 and SDG 08, whereas the project activity's product is GSVER only.</p> <p>3. In Section A.1 of Monitoring report:</p> <p>a. The name of the Project Developer (PD) is inconsistent with the GS4GG Cover Letter.</p> <p>b. The Single Line Diagram (SLD) presented in the report does not accurately reflect the actual implemented site scenario.</p> <p>4. In Section A.2 Monitoring report: The project location has not been demonstrated in accordance with the requirements outlined in the MR template guide, "GUIDE TO COMPLETING THE MONITORING REPORT – Point 18." The incorporated location details are incomplete, as the scale, direction of North, and GPS grid have not been incorporated.</p>	
<p>Evidence</p> <p>Monitoring Report version 01 dated 21/02/2025.</p> <ul style="list-style-type: none"> • Table 1 • Table 2 • Section A.1 • Section A.2 	
<p>1st Response from PD</p>	<p>Date: 01/05/25</p>
<p>1. The number of employees and trainings Revised with the ER sheet and mentioned in Table 1 of the Monitoring Report.</p> <p>2. Revised SDG 07 and SDG 08 details has been mentioned in Table 2 of the Monitoring Report.</p> <p>3. In Section A.1 of Monitoring report:</p> <p>a. The name of the Project Developer (PD) is In line with the GS4GG Cover Letter.</p> <p>b. The SLD Diagram has been submitted as supporting document.</p> <p>4. In Section A.2 of the Monitoring Report, the project location has been updated as per the guidelines</p>	
<p>Documents provided by PD for review</p> <p>MR, ER Sheet</p>	
<p>1st Review by Assessment Team</p>	<p>Date: 14/05/2025</p>
<p>1. The number of employees and trainings have been revised inconsistently throughout the MR and ER Sheet. #Open</p> <p>2. The value mentioned in Table 2 is inconsistent with the value mentioned throughout the MR and ER Sheet. #Open</p> <p>3. The name of the Project Developer (PD) is in line with the GS4GG Cover Letter. Hence, accepted. #Closed</p> <p>b. The SLD Diagram has been submitted as supporting document. Hence, accepted. #Closed</p> <p>4. The Map attached corresponds to Karnataka State although the project is set up in Rajasthan state of India. The maps require to be updated. #Open</p>	
<p>2nd Response from PD</p>	<p>Date: 27/05/2025</p>
<p>1. The number of employees and trainings have been revised in the MR and ER Sheet.</p> <p>2. The value mentioned in Table 2 is now consistent with the value mentioned throughout the MR and ER Sheet.</p> <p>3. The Map attached and Updated in the revised MR.</p>	
<p>Documents provided by PD for review</p> <p>Revised MR</p>	



2nd Review by Assessment Team	Date: 01/06/2025
<p>1. The number of employees and trainings have been revised consistently throughout the MR and ER Sheet. Hence, accepted. #Closed</p> <p>2. The value mentioned in Table 2 is consistent throughout the MR and ER Sheet. However, there still exists some discrepancies in the ER sheet. Hence, ERs need to be updated throughout the documents. #Open</p> <p>4. The Map attached still corresponds to Karnataka State although the project is set up in Rajasthan state of India. The maps is required to be updated. #Open</p>	
3rd Response from PD	Date: 05/06/2025
<p>2. ER Value has been updated throughout the MR and ER Sheet.</p> <p>3. The Map attached has been Updated in the revised MR.</p>	
Documents provided by PD for review	
<p>Revised MR ER Sheet</p>	
3rd Review by Assessment Team	Date: 12/06/2025
<p>2. All discrepancies in the ER sheet have been resolved. #Closed</p> <p>3. The Map attached has been updated. #Closed</p> <p>CAR#2 Closed</p>	

Finding No. 3	Date: 10/03/2025
Finding Type- CAR <input checked="" type="checkbox"/> CL <input type="checkbox"/> FAR <input type="checkbox"/>	
Stage of finding raised :	
Desk Review	<input checked="" type="checkbox"/>
On-site/remote/hybrid assessment	<input type="checkbox"/>
Technical Review	<input type="checkbox"/>
Project Review Report by Registry	<input type="checkbox"/>
Requirement	
<ul style="list-style-type: none"> • Template guide monitoring report version 1.1 dated 14/10/2020 //Section C//Section D.1//Section D.2//. • Key Project Information & Project Design Document Version 03 	
Non-Conformity	
<p>1. In Section C Monitoring report:</p> <p>a. The project location is inconsistent with the Registered PDD.</p> <p>b. The “measurement method” does not align with the actual implemented site scenario.</p> <p>c. This section does not clearly provide an organizational structure detailing the roles and responsibilities of stakeholders for data collection and archiving, GHG calculation, meter calibration, invoicing, QA/QC, ERC, etc</p> <p>2. In Section D.1 Monitoring report:</p>	

<ol style="list-style-type: none"> a. Reference link for the EF_{grid, OM, y} parameter is incorrect. b. Reference link for the EF_{grid, BM, y} parameter is not incorporated. c. Reference link for the EF_{grid, y} parameter is incorrect. <p>3. In Section D.2 Monitoring report: Description for parameter “Quantitative employment and income generation” is found to be incorrect as per registered PDD.</p>	
Evidence	
<p>Monitoring Report version 01 dated 21/02/2025.</p> <ul style="list-style-type: none"> • Section C • Section D.1 • Section D.2 	
1st Response from PD	Date: 01/05/25
<ol style="list-style-type: none"> 1. In Section C Monitoring report: <ol style="list-style-type: none"> a. The project location has been corrected as per the Registered PDD, as mentioned in Section C of the Monitoring Period. b. The “measurement method” In line with the actual implemented site scenario and mentioned in section c of the MR. c. In Section C of the Monitoring Report, the organizational structure has been revised to clearly outline the roles and responsibilities of stakeholders and other related tasks. 2. In Section D.1 Monitoring report: <ol style="list-style-type: none"> a. Corrected in MR, now working Reference link for the EF_{grid, OM, y} parameter. b. Reference link for the EF_{grid, BM, y} parameter is corrected and now incorporated. c. Reference link for the EF_{grid, y} parameter is corrected in section D. 1. 3. In Section D.2 Monitoring report: Description for parameter “Quantitative employment and income generation” is corrected as per registered PDD. 	
Documents provided by PD for review	
MR version 02	
1st Review by Assessment Team	Date: 14/05/2025
<ol style="list-style-type: none"> 1.a. The project location has been corrected as per the Registered PDD, as mentioned in Section C of the Monitoring Period. Hence, accepted. #Closed b. The “measurement method” is in line with the actual implemented site scenario and mentioned in section C of the MR. Hence, accepted. #Closed c. In Section C of the Monitoring Report, the organizational structure has been revised to clearly outline the roles and responsibilities. Hence, accepted. #Closed <p>2.a. Source of data states CEA Database version 17 while Link shows CEA Database version 14. Link is required to be updated. #Open</p> <p>b. Source of data states CEA Database version 17 while Link shows CEA Database version 11. Link is required to be updated. #Open</p> <p>c. Source of data states CEA Database version 17 while Link shows version 15. Link is required to be updated. #Open</p> <p>3. Description for parameter “Quantitative employment and income generation” is corrected as per registered PDD. Hence, accepted. #Closed</p>	
2nd Response from PD	Date: 27/05/2025
<ol style="list-style-type: none"> 1. The weblink for CEA database version 17 has been corrected. 2. The weblink for CEA database version 17 has been corrected. 3. The weblink for CEA database version 17 has been corrected 	



Documents provided by PD for review	
Revised MR	
2nd Review by Assessment Team	Date: 01/06/2025
2.a The weblink for CEA database version 17 has been corrected. Hence, accepted. #Closed b. The weblink for CEA database version 17 has been corrected. Hence, accepted. #Closed c. The weblink for CEA database version 17 has been corrected. Hence, accepted. #Closed CAR#3 Closed	

Finding No. 4	Date: 10/03/2025
Finding Type- CAR <input checked="" type="checkbox"/> CL <input type="checkbox"/> FAR <input type="checkbox"/>	
Stage of finding raised :	
Desk Review	<input checked="" type="checkbox"/>
On-site/remote/hybrid assessment	<input type="checkbox"/>
Technical Review	<input type="checkbox"/>
Project Review Report by Registry	<input type="checkbox"/>
Requirement	
Template guide monitoring report version 1.1 dated 14/10/2020 //Section E.6//Section A.2//Section F//Section G.2//Appendix 1// Clause 6.1.1 and Clause 4 of GS4GG Principles and requirements version 2.1 and GS4GG Safeguarding principles and Requirement version 2.	
Non-Conformity	
<ol style="list-style-type: none"> 1. In Section E.6 of Monitoring report: <ol style="list-style-type: none"> a. As mentioned in monitoring report No detail of breakdown has been incorporated in Appendix 1. b. The Monitoring Report does not include information on “Maintenance and downtime activity.” Additionally, details regarding situations that trigger Emergency Preparedness and Uncertainty Procedures have not been incorporated. 2. In Section F of Monitoring Report: The safeguarding principles has not been demonstrated for the current monitoring period. Additionally, supporting evidence related to the safeguarding principles has not been submitted. 3. In Section G.1 of Monitoring report: The location of the grievance register has not been demonstrated accurately and does not align with the details provided in the PDD. 4. In APPENDIX 1 of Monitoring Report: The “serial numbers” of meters are found to be inconsistent with the calibration details and the information provided in the report. 	
Evidence	
Monitoring Report version 01 dated 21/02/2025 <ul style="list-style-type: none"> • Section E.6 • Section A.2 • Section F • Section G.2 • Appendix 1 	
1st Response from PD	Date: 01/05/25



<ol style="list-style-type: none"> 1. In Section E.6 of Monitoring report: <ol style="list-style-type: none"> a. detail of breakdown has been mentioned in Appendix 2. b. The breakdown details, as mentioned in Appendix 2 in revised MR, along with the supporting documents, have been submitted. 2. The safeguarding principles has been demonstrated as per the monitoring plan in registered PDD for the current monitoring period. supporting document has been submitted. 3. The location of the grievance register has been demonstrated in Section G.1 of Monitoring report. 4. The serial numbers of the meters have been aligned with the calibration details and supporting documents have been submitted as evidence. 	
Documents provided by PD for review	
MR Version 02	
1st Review by Assessment Team	Date: 14/05/2025
<ol style="list-style-type: none"> 1.a. Breakdown details have been mentioned in Appendix 1. Although, supporting document for breakdown details summary still pending to be submitted. #Open b. All required details have been mentioned in revised MR, along with the supporting documents, have been submitted. Hence, accepted. #Closed 2. The safeguarding principles have been demonstrated as per the monitoring plan in registered PDD for the current monitoring period. Hence, accepted. #Closed 3. The grievance register location has been demonstrated in Section G.1 of Monitoring report. Hence, accepted. #Closed 4. The “serial number” of meters are found to be inconsistent with the calibration details and the information provided in the report. PD to recheck and update. #Open 	
2nd Response from PD	Date: 27/05/2025
<ol style="list-style-type: none"> 1. Breakdown details have been mentioned in Appendix 1. And supporting document for breakdown details summary is submitted. 2. The “serial number” of meters are corrected as the calibration details and the information provided in the report. Updated in MR. 3. 	
Documents provided by PD for review	
Breakdown details Revised MR	
2nd Review by Assessment Team	Date: 01/06/2025
<ol style="list-style-type: none"> 1. Supporting document submitted for breakdown details summary is not linked with the DGR Sheet. There is no linkage and back tracking between the two documents. #Open 2. The “serial number” of meters are updated and corrected as per the calibration details and the information provided in the report. Hence, accepted. #Closed 3. Kindly refer comments in ER Sheet. ER value shall be updated throughout the project documents. #Open 	
3rd Response from PD	Date: 05/06/2025
<ol style="list-style-type: none"> 1. Revised breakdown sheet has been submitted and linkage has been shown. 3. The ER sheet has been revised and values are corrected in revised in MR, ER and SDG Impact tool, 	
Documents provided by PD for review	
<ol style="list-style-type: none"> 1. Breakdown details sheet 2. Monitoring report 	



3. SDG Impact tool	
4. ER sheet	
2nd Review by Assessment Team	Date: 12/06/2025
1. Supporting document has been submitted for breakdown details summary has been submitted. #Closed	
2. ER value has been updated throughout the project documents. #Closed	
CAR#4 Closed	

Finding No. 5	Date: 01/05/25
Finding Type- CAR <input checked="" type="checkbox"/> CL <input type="checkbox"/> FAR <input type="checkbox"/>	
Stage of finding raised :	
Desk Review	<input checked="" type="checkbox"/>
On-site/remote/hybrid assessment	<input type="checkbox"/>
Technical Review	<input type="checkbox"/>
Project Review Report by Registry	<input type="checkbox"/>
Requirement	
NA	
Non-Conformity	
In Emission Reduction Sheet:	
a. Date of Monitoring period is not consistent with the MR and RFP.	
Evidence	
Emission Reduction Sheet version 1 dated 21/02/2025.	
1st Response from PD	Date: 01/05/25
Date of Monitoring period is revised with the MR and RFP.	
Documents provided by PD for review	
ER Sheet	
1st Review by Assessment Team	Date: 14/05/2025
Monitoring period dates have been revised appropriately. Hence, accepted. #Closed	
CAR#5 Closed	

Finding No. 6	Date: 10/03/2025
Finding Type- CAR <input type="checkbox"/> CL <input checked="" type="checkbox"/> FAR <input type="checkbox"/>	
Stage of finding raised :	
Desk Review	<input checked="" type="checkbox"/>
On-site/remote/hybrid assessment	<input type="checkbox"/>



Technical Review	<input type="checkbox"/>
Project Review Report by Registry	<input type="checkbox"/>
Requirement	
NA	
Non-Conformity	
<p>In Emission Reduction Sheet:</p> <ul style="list-style-type: none"> a. JMR for Month of March has not been submitted. b. Invoice for October 2023, November 2023, December 2023, January 2024, February 2024, March 2024, April 2024 and May 2024 is not submitted. c. Supporting Document for Monthly PLF has not been submitted. 	
Evidence	
Emission Reduction Sheet version 1 dated 21/02/2025.	
1st Response from PD	Date:01/05/25
<p>In Emission Reduction Sheet:</p> <ul style="list-style-type: none"> a. JMR for Month of March has been submitted. b. Invoice for October 2023, November 2023, December 2023, January 2024, February 2024, March 2024, April 2024 and May 2024 is submitted. c. Document submitted by PD. 	
Documents provided by PD for review	
ER Sheet, JMR, Invoice	
1st Review by Assessment Team	Date: 14/05/2025
<p>In Emission Reduction Sheet:</p> <ul style="list-style-type: none"> a. JMR for Month of March has been submitted. Hence, accepted. #Closed b. Invoice for October 2023, November 2023, December 2023, January 2024, February 2024, March 2024, April 2024 and May 2024 has been submitted. Hence, accepted. #Closed c. Document submitted by PD. Hence, accepted. #Closed 	
CL#6 Closed	

Finding No. 07	Date: 18-June-2025
Finding Type- CAR <input type="checkbox"/> CL <input checked="" type="checkbox"/> FAR <input type="checkbox"/>	
Stage of finding raised :	
Desk Review	<input type="checkbox"/>
On-site/remote/hybrid assessment	<input type="checkbox"/>
Technical Review	<input checked="" type="checkbox"/>
Project Review Report by Registry	<input type="checkbox"/>
Requirement	



<ul style="list-style-type: none"> • Clause 9.3.10 of the GS Validation and Verification Standard 	
Non-Conformity	
<ol style="list-style-type: none"> 1. Table no 1 of the Monitoring Report: <ol style="list-style-type: none"> a. In reference to SDG 8, it is noted that there is no specific explanation provided regarding the salary structure or wage-related information. b. It is not clear whether the value mentioned for the “SDG 8 employment” are employed during current monitoring period? 2. In section B.1 of the Monitoring Report: It is not clear whether the mentioned transformers are power transformers? Where are they located and from where the input power supply is fed into them? 3. In Section C of the Monitoring Report: Is there any in-house O&M or third-party O&M has been contracted by the PD? 	
Evidence	
Monitoring Report version 02.1 dated 05-June-2025 <ul style="list-style-type: none"> • Table no 1 • Section B.1 • Section C 	
1st Response from PD	Date: 20/06/2025
<ol style="list-style-type: none"> 1. Table no 1 of the Monitoring Report: <ol style="list-style-type: none"> a. The salary structure and wage-related information have been added in Table 1 in the revised MR. b. This value of number of employees maintained during the MP. The details have been added in Section B.1 of the Monitoring Report. Supporting documents have also been submitted. The O&M is in-house and no third-party contractor has been engaged. This has also been mentioned in Section C of the Monitoring Report. 	
Documents provided by PD for review	
Revised MR	
1st Review by Assessment Team	Date: 25-06-2025
<ol style="list-style-type: none"> 1. Table no 1 of the Monitoring Report: <ol style="list-style-type: none"> a) The salary structure and wage-related information have been incorporated in Table 1 in the revised MR same has been checked and found to be consistent hence closed. #Closed b) PD has justified that “The value of number of employees is maintained throughout the MP.” Which is correct as per PDD. #Closed 2. In section B.1 of the Monitoring Report: PD has now clearly mentioned in MR that the transformers are power transformers which is correct as per actual site scenario hence accepted. #Closed 3. In Section C of the Monitoring Report: PD has justified that O&M has been done in-house which is correct has per actual site scenario hence accepted. #Closed 	
CL#7 Closed	

Finding No. 08	Date: 18-June-2025
Finding Type- CAR <input checked="" type="checkbox"/> CL <input type="checkbox"/> FAR <input type="checkbox"/>	



Stage of finding raised :	
Desk Review	<input type="checkbox"/>
On-site/remote/hybrid assessment	<input type="checkbox"/>
Technical Review	<input checked="" type="checkbox"/>
Project Review Report by Registry	<input type="checkbox"/>
Requirement	
<ul style="list-style-type: none"> Clause 9.3.9 of the GS Validation and Verification Standard 	
Non-Conformity	
<ol style="list-style-type: none"> In section A.1 of the Monitoring Report: <ol style="list-style-type: none"> The DC voltage generated at the solar plant end is not mentioned. Which international unit is referred here”132/220 KV RSDCL GSS – II” since kilovolts is referred to as kV. The unit is not correct. In Section G. 1 of the Monitoring Report: <ol style="list-style-type: none"> The specific location of the grievance register has not been mentioned. PD has not stated the grievance resolution mechanism. In APPENDIX 2 of the Monitoring Report: PD has not provided reference in monitoring report regarding the breakdown details mentioned in this appendix. 	
Evidence	
Monitoring Report version 02.1 dated 05-June-2025	
<ul style="list-style-type: none"> Section A.1 Section G.1 Appendix 2 	
1st Response from PD	Date: 20/06/2025
<ol style="list-style-type: none"> In section A.1 of the Monitoring Report: <ol style="list-style-type: none"> DC voltage details added as per the solar plant in Section A. The unit has been corrected to 'kV' in the revised Monitoring Report. In Section G. 1 of the Monitoring Report: <ol style="list-style-type: none"> The location of the grievance register has been mentioned in the revised MR. The grievance resolution mechanism details has been added in the MR under the of section G.1. In APPENDIX 2 of the Monitoring Report: Breakdown details added in Section B.1 and Supporting document has been submitted. 	
Documents provided by PD for review	
Revised MR	
1st Review by Assessment Team	Date: 25-06-2025
<ol style="list-style-type: none"> In section A.1 of the Monitoring Report: <ol style="list-style-type: none"> AT confirms after reviewing the Updated MR that DC voltage details have been added in Section A, which is correct as per the registered PDD # Closed. PD has corrected the unit, and now it is correct, hence closed. # Closed In Section G. 1 of the Monitoring Report: <ol style="list-style-type: none"> PD has specified the location of the grievance register, which is as per the actual site scenario, hence closed. #Closed PD has now incorporated the grievance resolution mechanism, hence accepted. #Closed In APPENDIX 2 of the Monitoring Report: Breakdown details have been added in Section B.1 which refer appendix 2 hence accepted #Closed 	
CAR#8 Closed	



Finding No. 09		Date:0/07/2025
Finding Type- CAR <input checked="" type="checkbox"/>	CL <input type="checkbox"/>	FAR <input type="checkbox"/>
Stage of finding raised :		
Desk Review	<input type="checkbox"/>	
On-site/remote/hybrid assessment	<input type="checkbox"/>	
Technical Review	<input type="checkbox"/>	
Quality Technical Review	<input checked="" type="checkbox"/>	
Project Review Report by Registry	<input type="checkbox"/>	
Requirement		
NA		
Non-Conformity		
<ol style="list-style-type: none"> In Section D.2 of the Monitoring Report: For SDG 13, unclaimed ERs are not included. In section E.1 of the Monitoring Report: It was observed that the GSVERs have been claimed at a capped value of 153,796 tCO₂e. However, no reference has been provided to the applicable adjustment procedure or guideline under which this capping has been applied. In Section E.6 of the Monitoring Report: The Percentage of ERs achieved varies between the paragraphs. In ER sheet: Value mentioned in “Net Electricity Generation” for the month of 01-June-24, Value does not match with the JMR. In SDG Impact Tool: No contribution for the 1st MP of 2nd crediting period has been included in SDG in step 5. 		
Evidence		
<p>Monitoring Report version 02.2 dated 20-July-2025</p> <ul style="list-style-type: none"> Section D.2 Section E.1 Section E.6 <p>In ER Sheet (Cell G13) In SDG Impact Tool</p>		
1st Response from PD		Date: 04/07/2025
<ol style="list-style-type: none"> In Section D.2 of the Monitoring Report: Revised and footnote has been added in Section D.2 under SDG 13 of the Monitoring Report. In section E.1 of the Monitoring Report: As per the Rule Clarification – Assessment approach for reporting higher ex-post emission reductions, the applicable capping has been applied. A reference to this clarification has been added in Section E of the Monitoring Report. In Section E.6 of the Monitoring Report: The value has now added in Section E.6 of the Monitoring Report. In ER sheet: The corrected value has been updated in the revised ER sheet. In SDG Impact Tool: The contribution for the 1st Monitoring Period of the 2nd crediting period has now been included in the SDG Impact tool. 		
Documents provided by PD for review		
Revised MR, ER sheet, SDG Impact tool.		
1st Review by Assessment Team		Date: 07/July/2025
<ol style="list-style-type: none"> In Section D.2 of the Monitoring Report: For SDG 13, unclaimed ERs are now included same has been checked and found to be correct. #Closed 		



<p>2. In section E.1 of the Monitoring Report: Reference has been now added for capping same has been checked and found to be correct. #Closed</p> <p>3. In Section E.6 of the Monitoring Report: PD has updated the Percentage of ERs achieved in the paragraph. #Closed</p> <p>4. In ER sheet: PD has provided a proper justification and now value is matched with JMR. #Closed</p> <p>5. In SDG Impact Tool: Now contribution for the 1st MP of 2nd crediting period has been included in SDG in step 5 same has been checked with pervious report and found to be correct hence accepted #Closed</p> <p>CAR#10 Closed</p>
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FARs Raised during this verification

Finding No. 10	Date: 04/07/2025
Finding Type- CAR <input type="checkbox"/> CL <input type="checkbox"/> FAR <input checked="" type="checkbox"/>	
Stage of finding raised :	
Desk Review	<input type="checkbox"/>
On-site/remote/hybrid assessment	<input type="checkbox"/>
Technical Review	<input type="checkbox"/>
Quality Technical Review	<input checked="" type="checkbox"/>
Project Review Report by Registry	<input type="checkbox"/>
Requirement	
<ul style="list-style-type: none"> Clause 2.1.3 of ASSESSMENT APPROACH FOR REPORTING HIGHER EX-POST EMISSION REDUCTIONS 	
Non-Conformity	
<p>The VVB has assessed the change in variable value i.e PLF during the current monitoring period. It is not within the range of variation (i.e., +/- 10%) applied for sensitivity analysis. Hence, Forward Action Request (FAR) is raised for further investigation, The FAR remains valid throughout the crediting period to keep track of the issue.</p>	
1st Response from PD	Date: 04/07/2025
The Project Owner will respond to this FAR in each monitoring period, as required.	
Documents provided by PD for review	
Revised MR	
1st Review by Assessment Team	Date: 07/July/2025
FAR remains open throughout the rest of the crediting period.	

Finding Raised at the time of Project Review by Registry

Finding No. 11	Date: 08-08-2025
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Finding Type- CAR <input checked="" type="checkbox"/> CL <input type="checkbox"/> FAR <input type="checkbox"/>	
Stage of finding raised:	
Desk Review	<input type="checkbox"/>
On-site/remote/hybrid assessment	<input type="checkbox"/>
Technical Review	<input type="checkbox"/>
Project Review Report by Registry	<input checked="" type="checkbox"/>
Requirement	
NA	
Non-Conformity	
<p>1. Based on the measurement methods and procedures outlined in section 7.2.1, it appears that the plant-end meter is the only dedicated meter for the project. In contrast, the meters at the 132/220 kV GSS II substation are shared with multiple other plants and are not exclusive to the project activity. There is an inconsistency in the Monitoring Report (MR):</p> <ul style="list-style-type: none"> • Page 12 states that parameter $EG_{PJ,y}$ is measured by a main meter installed at the 220 kV pooling substation (GSS-II) at Bhadla Village. • However, section 7.2.1 describes the measurement method as the difference between the final apportioned values of export and import, which is used to determine the monthly net electricity supplied to the grid by the project and for ER calculations <p>In light of the above, the following actions are required:</p> <p>A. Clarification and Revisions: The Project Developer (PD) must clarify these discrepancies and revise the MR to include all relevant details.</p> <p>B. Single Line Diagram and Meter Validation: The PD must include a Single Line Diagram in the MR showing the project's connection to the grid along with all meters.</p> <p>C. Explanation of Meter Sharing and Apportioning: If the meters are shared among multiple plants, the method for apportioning export/import losses (as mentioned in the MR) must be clearly explained. The MR should detail how these readings are used to estimate Emission Reductions (ERs). Additionally, it should be clarified whether the standby meter is used in ER estimation or only in case of failure of the main and check meters, as this has not been explained so far.</p>	
Evidence	
<ul style="list-style-type: none"> • Monitoring report version 3 	
1st Response from PD	Date: 01/09/2025
<p>1. All the plants (including the project activity solar plant and other investors solar plant) are connected to the metering point at Pooling substation 132/220 kV GSS II where the energy meters for each project activity at the pooling substation are installed separately and the billing is also done specifically on the individual energy meters. The details are corrected in revised MR.</p> <p>2. Single line diagram is added in revised MR.</p> <p>3. Apportioning is done for calculating transmission loss and is not done by PD; it is calculated by JDVVNL in loss sheet and provided to PD for raising invoice considering transmission loss. The</p>	



apportioned value provided in loss sheet is considered while calculating net generation from invoice as follows-
 Net Generation = Export-Import- Transmission loss
 For ER calculation minimum of JMR and invoice is used as conservative approach.
 Since this does not pertain to a correction in the monitoring and measurement method, only the procedure is detailed for clarity and is therefore not included under corrections.
 Standby meter is only used in failure of the main meter and check meter and same is mentioned in MR.

Documents provided by PD for review

Revised MR

1st Review by Assessment Team

Date: 04/09/2025

1.The VVB confirms that all solar plants, including the project activity and other investors’ plants, are connected to the common metering point at the 132/220 kV GSS II pooling substation. At this substation, each project activity has a dedicated energy meter installed separately, and billing is carried out based on these individual meters. The same was confirmed during interviews conducted with the relevant site personnel The electricity is then transferred to the 220/400 kV RRVPNL substation. Same approach has been incorporated in MR and FVR.

2.For the parameter EGPI,y Measurement, a main meter installed at the 132/220 kV pooling substation (GSS-II) at Bhadla Village. A single diagram has been added in MR VVB confirms that it is as per actual site scenario.

3.The VVB confirms that at site all solar plants, including the project activity and other investors’ plants, are connected to the common metering point at the 132/220 kV GSS II pooling substation. This was confirmed at the time of site visit and interview with relevant site personnel. At this substation, each project activity has a dedicated energy meter installed separately, and billing is carried out based on these individual meters. The electricity is then transferred to the 220/400 kV RRVPNL substation. The metering point is equipped with both main and check ABT meters of accuracy class 0.2s. The export/import (transmission) losses between the pooling substation and the RRVPNL substation are apportioned by JDVVNL, not by the PD, and are provided through an official loss sheet. The PD uses this loss sheet to prepare invoices, ensuring transmission losses are accounted for. The net generation is calculated as Net Generation = Export – Import – Transmission Loss. For the calculation of emission reductions, the minimum of the Joint Meter Reading (JMR) and the invoice is applied as a conservative approach. Meter Uses: The main meter is used for billing purpose and in case of any issues with main meter, check meter would be used. Standby meter which is located at plant end is only used in failure of the main meter and check meter¹⁵. MR and FVR have been updated to clarify the details in depth.

CAR#11 Closed

Finding No. 12	Date: 08-08-2025
Finding Type- CAR <input type="checkbox"/> CL <input checked="" type="checkbox"/> FAR <input type="checkbox"/>	
Stage of finding raised :	
Desk Review	<input type="checkbox"/>
On-site/remote/hybrid assessment	<input type="checkbox"/>
Technical Review	<input type="checkbox"/>
Project Review Report by Registry	<input checked="" type="checkbox"/>

¹⁵ During current monitoring period no such scenario occurred.



Requirement	
NA	
Non-Conformity	
<p>1. As per Table 1 of the Project Design (PD), all unskilled workers receive daily wages above the minimum wage requirement of INR 357. However, the Monitoring Report (MR) states lower daily wages for unskilled workers (INR 285/day or INR 7,410/month). Please clarify this discrepancy in the MR. Is the difference due to wages being reported on a monthly basis? If so, explain how the daily wage was derived and ensure consistency across the MR.</p> <p>Wage details in the MR: Unskilled Workers: INR 285/day or INR 7,410/month, Semi-skilled Workers: INR 297/day or INR 7,722/month, Skilled Workers: INR 309/day or INR 8,034/month, Highly Skilled Workers: INR 359/day or INR 9,334/month</p>	
Evidence	
<ul style="list-style-type: none"> • Monitoring report version 3 • Design certified PDD- Doc name on AP -5519_RCP_PDD_V02 	
1st Response from PD	Date: 01/09/2025
<p>As per registered PDD all unskilled workers receive daily wages above the minimum wage requirement of INR 357/day</p> <p>However, the income to all the workers in the project is made as follows: 384 INR/day (unskilled), 423 INR/day (semiskilled), 486 INR/day (skilled) and 612 INR/day (highly skilled).</p> <p>The values are corrected in table-1 of revised MR as per actual scenario.</p>	
Documents provided by PD for review	
Revised MR	
1st Review by Assessment Team	Date: 04/09/2025
<p>As per the registered PDD, all unskilled workers are required to receive daily wages above the minimum wage requirement of INR 357. During the verification, the following wages of 384 INR/day (unskilled), INR 423/day (Semi-skilled), INR 486/day (Skilled) and 612 INR/day (highly skilled). The Monitoring Report has been revised by PD to reflect these values in Table-1 and throughout the MR. The VVB has reviewed the wage declaration and the updated MR and confirms that the reporting is now consistent with the registered PDD and in compliance with the applicable minimum wage requirements.</p> <p>CL#12 Closed</p>	

Declaration

All CARs, CLs, and FARs from the Verification

Total Number of CARs	06	Total Number of CLs	05	Total Number of FARs	01
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Status of CARs	<input type="checkbox"/> Open <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Turned to a FAR	Status of CLs	<input type="checkbox"/> Open <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Turned to a FAR	Status of FARs	<input checked="" type="checkbox"/> Open <input type="checkbox"/> Closed <input type="checkbox"/> Turned to a FAR
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7. COMPETENCE OF VERIFICATION TEAM AND TECHNICAL REVIEWERS

Team Leader and Technical Expert T.A.1.2



Certification Pvt. Ltd.

VKU.F50W. Competence Statement

COMPETENCE STATEMENT

Name	Deepali Sharma
Nationality	Indian
Countries of Experience	India, Zimbabwe, Madagascar, Mozambique, Uganda, Ethiopia
Educational Qualification	M.Sc. in Environmental Sciences
Year of Experience	4 years
Area of Expertise	Climate Change & Environment / Industry
Eligible Sectoral Scope	SS 1 – TA 1.2 - Energy generation from Renewables Energy sources SS 3 – TA 3.1. Energy demand She is a GS Approved Auditor
Approved for Registries	<input checked="" type="checkbox"/> VCS <input checked="" type="checkbox"/> SD Vista <input type="checkbox"/> Plastic Credit <input checked="" type="checkbox"/> GS4GG <input checked="" type="checkbox"/> UCR <input checked="" type="checkbox"/> UWR <input checked="" type="checkbox"/> ICR <input checked="" type="checkbox"/> CERCARBONO <input checked="" type="checkbox"/> CR-i

Roles approved in VKU

Project Trainee	NO
Validator/Verifier Trainee	NO
Validator	YES
Verifier	YES
Team Leader	YES
Technical Reviewer	NO
Local Expert (India)	YES
TA Expert (1.2 & 3.1)	YES
Financial Expert	NO

Reviewed by	Apoorva Gupta (Quality Manager)	Date	09/04/2025
Approved by	Barun Kumar (Technical Manager)	Date	09/04/2025



Validator/Verifier-Trainee

**COMPETENCE STATEMENT**

Name	Komal Kumari
Nationality	Indian
Countries of Experience	India
Educational Qualification	M.Sc. (Environmental Science) B.Sc. (Zoology)
Year of Experience	1 Year
Area of Expertise	Climate Change & Environment / Industry
Eligible Sectoral Scope	NA
Approved for Registries	<input checked="" type="checkbox"/> VCS <input checked="" type="checkbox"/> SD Vista <input checked="" type="checkbox"/> Plastic Credit <input checked="" type="checkbox"/> GS4GG <input checked="" type="checkbox"/> UCR <input checked="" type="checkbox"/> UWR <input checked="" type="checkbox"/> ICR <input checked="" type="checkbox"/> CERCARBONO <input checked="" type="checkbox"/> CR-i

Roles approved in VKU

Project Trainee	NO
Validator/Verifier Trainee	YES
Validator	NO
Verifier	NO
Team Leader	NO
Technical Reviewer	NO
Local Expert (<i>Country Wise</i>)	NO
TA Expert (<i>X.X</i>)	NO
Financial Expert	NO

Reviewed by	Apoorva Gupta (Quality Manager)	Date	07/04/2025
Approved by	Barun Kumar (Technical Manager)	Date	07/04/2025

Technical Reviewer and Technical Expert T.A.1.2



COMPETENCE STATEMENT

Name	Vivek Kumar Ahirwar
Nationality	Indian
Countries of Experience	India, Madagascar, Thailand, Nepal, South Africa, Vietnam, Mozambique, Kenya, Ethiopia, Spain, Singapore, Zimbabwe, Columbia, Zambia, Libya, Indonesia, Myanmar
Educational Qualification	B.E.(Mechanical) MTech. (Energy Management)
Year of Experience	15 Years +
Area of Expertise	Climate Change & Environment & Industry
Eligible Sectoral Scope	SS 1 – TA 1.1 Thermal Energy & Biomass SS 1 – TA 1.2 Renewable /Non-renewable SS 2 – TA 2.1 Energy Distribution SS 3 – TA 3.1 Energy Demand SS 13 – TA 13.1 Solid Waste and Wastewater He is a GS Approved Auditor
Approved for Registries	<input checked="" type="checkbox"/> VCS <input checked="" type="checkbox"/> SD Vista <input type="checkbox"/> Plastic Credit <input checked="" type="checkbox"/> GS4GG <input checked="" type="checkbox"/> UCR <input type="checkbox"/> UWR <input checked="" type="checkbox"/> ICR <input checked="" type="checkbox"/> CERCARBONO <input checked="" type="checkbox"/> CR-i

Roles approved in VKU

Project Trainee	NO
Validator/Verifier Trainee	NO
Validator	YES
Verifier	YES
Team Leader	YES
Technical Reviewer	YES
Local Expert (India)	YES
TA Expert (TA 1.1, 1.2, 2.1, 3.1, 13.1)	YES
Financial Expert	YES

Reviewed by	Apoorva Gupta (Quality Manager)	Date	09/04/2025
Approved by	Barun Kumar (Technical Manager)	Date	09/04/2025

History of the Document

Version	Date	Amendment Summary*	Prepared By	Approved By
3.1	14.09.2024	Duplicacy of executive summary and table is removed from section 1	Apoorva Gupta	Dr. Vikas Kumar Aharwal
3.0	21/05/2024	Signature of TR added as approver	Apoorva Gupta	Dr. Vikas Kumar Aharwal
2.1	23/04/2024	Change in VKU address at front page	Apoorva Gupta	Dr. Vikas Kumar Aharwal
2.0	28/08/2023	Revisions done in all sections as per the requirement of GS4GG Standard	Vandana Gupta	Dr. Vikas Kumar Aharwal
1.1	22/07/2021	NA	Ayushi Garg	Vikas Aharwal
1.0	17/03/2020	NA	Ayushi Garg	NA

*Amendment Summary adopted in VKU System on 12.10.2022