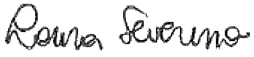




Verification and certification report form for GS project activities

VERIFICATION AND CERTIFICATION REPORT

Title of the project activity	150 MW Solar PV Plant by Juniper Green Field Pvt. Ltd. in Maharashtra
GS Reference number of the project activity	GS7627
Version number of the verification and certification report	1.3Aa
Completion date of the verification and certification report	07/08/2025
Monitoring period number and duration of this monitoring period	4 th Monitoring Period 01/07/2024 to 31/12/2024 (Both days included)
Version number of monitoring report to which this report applies	03
Crediting period of the project activity corresponding to this monitoring period	01/06/2022 to 31/05/2027
Project developer(s)	Juniper Green Field Private Limited
Host Party	India
Sectoral scope(s), selected methodology(ies)	Sectoral scope 1: Energy Industries (Renewable-/non-renewable sources) ACM0002: Grid-connected electricity generation from renewable sources - Version 20.0
Estimated GHG emission reductions or net anthropogenic GHG removals for this monitoring period in the registered PDD	166,535tCO ₂ e
Certified GHG emission reductions or net anthropogenic GHG removals for this monitoring period	138,696 tCO ₂ e
Name of VVB	RINA Services S.p.A. (RINA)

Name, position and signature of the approver of the verification and certification report	 Laura Severino (Authorised officer signing for VVB) Decarb & Chain of Custody Product Management
--	---

SECTION A. Executive summary

Purpose and general description of the project

The primary goal of this project '150 MW Solar PV Plant by Juniper Green Field Pvt. Ltd. in Maharashtra' is to generate electrical energy through sustainable methods by harnessing solar power. This project involves the solar power generation system, developed by Juniper Green Field Private Limited. It is a large-scale solar project and expected to offset approximately 330,355 tCO₂e of anthropogenic greenhouse gas (GHG) emissions annually, displacing 355,030 MWh of electricity each year from the generation-mix of power plants connected to the Indian electricity grid.

This project is in Maharashtra, with a total installed capacity of 150 MW. It involves the installation of 80 MW at Site I and 70 MW at Site II. During the current monitoring period from 01/07/2024 to 31/12/2024 (inclusive of both days), the actual emission reductions achieved are 138,696 tCO₂e, resulting from the displacement of 149,055.39 MWh of electricity generated by the solar plants. The investor of this project activity is Juniper Green Field Pvt.. Ltd.

Location

The project activity is located at two different sites in Maharashtra.

Site 1: Village -Shirpur, Taluka-Arni, Distt-Yavatmal

Site 2: Village-Tighra, Taluka- Malkapur, Distt-Buldhana.

Scope of verification

Verification is the periodic independent review and ex-post determination by a VVB of the monitored reductions in GHG emissions that have occurred as a result of the registered GS project activity during a defined monitoring period. Certification is the written assurance by a VVB 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 150 MW Solar PV Plant by Juniper Green Field Pvt. Ltd. in Maharashtra for the period 01/07/2024 to 31/12/2024 (Both days included).

The scope of the verification is to verify that:

- The project activity has been implemented and operated in accordance with the registered PDD or any approved revised PDD;
- The monitoring plan, including compliance with any guidance provided by the Board regarding deviations from the provisions of a registered plan and/or methodology;
- The data and calculation of GHG emission reductions have been assessed to correctly support the emission reductions being claimed.

The verification shall ensure that reported emission reductions are complete and accurate in order to be certified.

Verification process

Verification is conducted following RINA procedures aligning with the GS requirements and requirements specified in the CDM Validation and Verification Standard available at the time of the verification starts and applying standard auditing techniques. RINA assess and determines that the implementation and operation of the project activity, and steps taken to report emission reductions

comply with the GS criteria. The verification assessment involved a document review of relevant documentation and the remote-site visit.

Verification is conducted independently and does not provide consultancy services to project developers. However, requests for clarification or corrective actions may have contributed to monitoring improvements.

Conclusion

RINA commissioned by Juniper Green Field Private Limited has performed the verification of the emission reductions reported for the project activity 150 MW Solar PV Plant by Juniper Green Field Pvt. Ltd. in Maharashtra, GS Registration Reference No. GS7627 for the monitoring period 01/07/2024 to 31/12/2024 (Inclusive of both the dates), with regard to the relevant GS requirements and principles for project activities. The project was validated by Applus+ Certification, LGAI Technological Centre, S.A. (validation report BELL_CDM_2021_IND SPV Juniper Green_GS_VAL, Version 03 of 17/10/2022) /04/.

The GHG emission reductions are calculated using the approved methodology ACM0002, Grid-connected electricity generation from renewable sources, version 20 of 28/11/2019 /05/ and the monitoring plan included in the registered PDD version 06 of 19/09/2022 /03/. Based on our assessment the GHG emission reductions reported for the project in the monitoring report version 03.0 of 09/05/2025 /01/ are fairly stated.

SECTION B. Verification team, technical reviewer and approver

B.1. Verification team member

No.	Role	Type of resource	Last name	First name	Affiliation (e.g. name of central or other office of VVB or outsourced entity)	Involvement in			
						Desk review	Remote-site inspection	Interview(s)	Verification findings
1.	Team Leader	IR	Pathak	Atin Kumar	RINA India	√	√	√	√
2.	Verifier in Training	IR	Ramaswamy	Ramya	RINA India	√	√	√	√
3.	Verifier in Training	IR	Kumar	Ashish	RINA India	√	√	√	√
4.	Verifier in Training	IR	Verma	Lata	RINA India	√	√	√	√

B.2. Technical reviewer and approver of the verification and certification report

No.	Role	Type of resource	Last name	First name	Affiliation (e.g. name of central or other office of VVB or outsourced entity)
1.	Technical reviewer	IR	Augustus	Cyril	RINA India
2.	Approver	IR	Severino	Laura	RINA HO

SECTION C. Application of materiality**C.1. Consideration of materiality in planning the verification**

No.	Risk that could lead to material errors, omissions or misstatements	Assessment of the risk		Response to the risk in the verification plan and/or sampling plan
		Risk level	Justification	
1.	Human error in the assessment of emissions (which might be more likely to occur if the staffs/employee are not trained well regarding the emission processes or data recording and analysis).	Low	As this is the 4 th verification of the 1 st crediting period, the project proponent is well-acquainted with the data reporting and monitoring processes, in accordance with the registered PDD and previous verification and certification reports. Additionally, the primary monitoring parameter is net export to the grid, which is based on the monthly generation report recorded by calibrated energy meters. Therefore, the risk level is considered low.	During the remote site visit, the verification team conducted interviews with staff of the PD and concerned persons and reviewed all relevant records to ensure that the monitoring plan was properly implemented. The key parameters used to determine the project's baseline emissions include the measurement of net electricity generation, which is recorded monthly according to the monitoring plan. The team thoroughly examined the entire data set from the monthly reports and cross-checked it with the invoices raised.
2.	Undue reliance on a poorly designed information system, which may have few effective quality controls.	Low	Since this is the 4 th verification report of the 1 st crediting period, the project proponent has established a well-organized monitoring team and plan. This includes a clear data	Additionally, the verification team reviewed the relevant documents to verify that the data collection and QA/QC

			collection procedure as well as quality assurance (QA) and quality control (QC) measures that align with the registered monitoring plan. Monitoring equipment is calibrated at regular intervals, ensuring consistency and reliability. As a result, the risk level is considered low.	procedures were effectively implemented.
3.	Manual adjustment of otherwise automatically recorded activity levels.	Low	As outlined in section C.2 below, the data for the main monitoring parameters is obtained from calibrated energy meters, and these can be verified using the totalizer values. The monitoring equipment is calibrated in accordance with national standards and regulations. As a result, the risk level is considered low.	

C.2. Consideration of materiality in conducting the verification

The project activity is carried out at two distinct sites in Maharashtra, India—Arni, Yavatmal and Malkapur, Buldhana, districts—and 100% of the data is available for verification. The electricity exported to the grid from each site is tracked and logged through calibrated energy meters, ensuring comprehensive data availability for verification. Net electricity generation, which plays a key role in emission reduction calculations, is measured using calibrated meters and is entirely verifiable. Therefore, in line with paragraph 329 and section 9.1.2.3.1 of the CDM Validation and Verification Standard, neither the preparation for the verification nor the verification procedure identified any significant reporting risks. During the verification process, the team cross-checked the monthly meter records and reviewed the entire data set of monthly net electricity records. The data in the monitoring report Ver 03.0 /01/ are accurate in their emission reduction calculations and align with the monthly records. The verification team concludes that there are no significant material errors in the data set.

SECTION D. Means of verification

D.1. Desk review

The verification process involved a desk review of documents submitted during various assessment stages, conducted by the assessment team using specialized protocols. The monitoring report version 03.0 of 09/05/2025 /01/, the emission reductions calculation provided in in the form of spreadsheet version 03.0 of 09/05/2025/02/, the approved baseline and monitoring methodology ACM0002 version 20 of 28/11/2019 /05/ and all the supporting documentation for the monitoring period was reviewed and assessed as part of the verification process. Additionally, the Project Design Document (PDD) version 06 of 19/09/2022 /03/ was also reviewed. The list of all documents reviewed are referenced during the verification is available in Appendix 3 below.

D.2. Remote-site inspection

A comprehensive desk review of the submitted Monitoring Reports (MR) was conducted by the Verification Team. This review covered MR Version 01.0 dated 28/02/2025, Version 02.0 dated 06/05/2025, Version 03.0 dated 09/05/2025, and all supporting evidence provided by the Project Developer (PD). The purpose of this review was to evaluate the accuracy and completeness of the reported monitoring data and to ensure compliance with the applicable requirements under the applied methodologies and the relevant Gold Standard procedures and guidelines.

The most recent onsite inspection was conducted on 17/04/2023 and 18/04/2023 (1st monitoring period). In continuation of this, the audit team scheduled a remote site inspection on 11/04/2025 via videoconference (Microsoft Teams) with the Project Developer (PD).

The purpose of this remote inspection was to discuss various technical and operational aspects of the project. It was conducted to verify the implementation and ongoing operation of the project activity during the current monitoring period, and to cross-check the information provided in the Monitoring Report (MR) and the monitoring database.

In accordance Section 6 of the *I12_V2.0_PAR_Site-Visit-and-Remote-Audit-Requirements* (Gold Standard) here is detailed remote auditing process:

- The VVB conducted a comprehensive desk review of the submitted Monitoring Reports (MRs) and supporting evidence, including MR, calibration certificates, commissioning certificates, photographic evidence, and meter serial numbers.
- Remote inspections was conducted through videoconference (Microsoft Teams) with the PD, focusing on the physical verification of equipment, monitoring systems, logbooks, and operational practices. The PD facilitated live video walkthroughs of the project site, demonstrating the installed meters, key equipment, and the monitoring setup.
- Structured interviews were conducted with the project's technical staff, operators, and management to confirm their understanding of the monitoring procedures and project operations, and to gather clarifications on data discrepancies, if any.
- The data and information shared via videoconference were cross-checked against the submitted MR and supporting documents. Additionally, time-stamped photographs and real-time screenshares of meter readings were used to verify the operational status of the project.
- Screenshots, video call records, and photographs were archived as evidence of the remote inspection process.

Duration of remote-site inspection: 11/03/2025				
No.	Activity performed Remote-site	Site location	Date	Team member
1.	Implementation and operation of the proposed project activity. Checked the monitoring equipment, interviewed key personnel of the plant to confirm the operational and data collection procedures, cross-checked between information provided in the monitoring report and data plant	1. Arni, Yavatmal 2. Malkapur, Buldhana (Remote-site Visit)	11/03/2025	Atin Kumar Pathak Ramya Ramaswamy Ashish Kumar Lata Verma
2.	Reviewed the information flows for generating, aggregating and reporting the monitoring parameters			
3.	Checked calibration performance, reviewed calculations and assumptions made in determining the GHG data and emission reductions			
4.	Checked the quality control and quality assurance procedures in place to prevent or identify and correct any errors or omissions in the reported monitoring parameters			
5.	Cross-checked between information provided in the monitoring report and data evidence, including the Gold Standard parameters			

D.3. Interviews

A remote audit covering all project locations was conducted on 11/03/2025. As per the initial general contract established with PD, it was clearly indicated that PD would specify which information should be included in the public report and which information should remain confidential. This arrangement was established to protect commercially sensitive data and ensure compliance with the confidentiality obligations agreed upon by both parties while maintaining the transparency requirements of the reporting process. The VVB adhered to these confidentiality provisions throughout the audit, ensuring that only the information approved for public disclosure by PD is included in the final audit report.

Additionally, during the audit, the VVB conducted interviews with project stakeholders and staff. Prior to each interview, the VVB informed the interviewees about the purpose of the interview, including the use of their names, and obtained their consent. Signatures were collected on the interview list issued by RINA, serving as confirmation that the interviewees have no objection to including their names in the report. The interview list is attached in Appendix 8 of this report.

S.No.	Interviewee			Date	Subject	Team member
	Last name	First name	Affiliation			
1.	Chandra Rathod	Krishna	Manager	11/03/2025	Description of the project activity, Baseline and Additionality, Emission reductions calculations, Monitoring plan and monitoring arrangements, GS Sustainable Indicators (SDGs), Local stakeholder consultation, Environmental and social impacts.	Atin Kumar Pathak, Ramya Ramaswamy, Ashish Kumar, Lata Verma,
2.	Kate	Yogesh	Assistant Manager			
3.	Dixit	Amit	Sr. Engineer			
4.	Pandey	Manik	Sr. Engineer			
5.	-	Mallikarjun	Sr. Engineer			
6.	Pandey	Satam	Sr. Engineer			
7.	Yadav	Narendar	Sr. Engineer			
8.	Dhumal	Akash	Engineer			
9.	Patrikar	Mohan	Engineer			
10.	Sinde	Aadesh	Stakeholder		Benefit of the project to the village Grievance/ Input Mec. Level of Noise Excavated soil Dust emission SDG Impacts.	
11.	-	Prashant	Stakeholder			
12.	Rathod	Nilesh	Stakeholder			
13.	Rathod	Chetan	Stakeholder			

D.4. Sampling approach

Not Applicable

D.5. Clarification requests, corrective action requests and forward action requests raised

Areas of verification findings	No. of CR	No. of CAR	No. of FAR
Compliance of the monitoring report with the monitoring report form			
Compliance of the project implementation with the registered PDD			

Post-registration changes			
Compliance of the monitoring plan with the monitoring methodology including applicable tool and standardized baseline			
Compliance of monitoring activities with the registered monitoring plan		CAR 01	
Compliance with the calibration frequency requirements for measuring instruments			
Assessment of data and calculation of emission reductions or net removals		CAR 03 CAR 05	
Others (please specify)	CR 01	CAR 02 CAR 04 CAR 06	
Total	01	06	

SECTION E. Verification findings

E.1. Compliance of the monitoring report with the monitoring report form

Means of verification	The process of verification starts with the latest version of monitoring report Ver 03.0/01/ submitted by the PD. The RINA assessment team confirms that the Monitoring report is based on GS4GG MR template /11/
Findings	NA
Conclusion	The RINA assessment team verified confirmed that the monitoring report is prepared as per the recent GS4GG MR template /11/.

E.2. Remaining forward action requests from validation and/or previous verification

Based on the review of the Gold Standard Foundation (Validation and Verification Standard Ver 02 of 12/11/2024) /09/, validation report /04/ and previous verification reports /25//26//27/, no FARs have been raised.

E.3. Compliance of the project implementation with the registered project design document

Means of verification	The Monitoring Report for the project activity “150 MW Solar PV Plant by Juniper Green Field Pvt. Ltd. in Maharashtra”, submitted by the Infinite Environmental Solutions Limited have been the basis of verification process. It was verified during remote site visit that the proposed project activity has been implemented and it is in operation in accordance with the project activity described in the registered PDD /03/. The starting date of operation and 1st crediting period is 01/06/2022. As per the registered PDD /03/, monitoring report Ver 03.0/01/, validation report /04/, and previous verification reports /25//26//27/, the project activity is a solar power plant with a total capacity of 150 MW, which is confirmed through the commissioning certificate of Arni (80 MW) and Malkapur (70 MW) /13/. The generated electricity is selling to the grid. The location of
------------------------------	--

	the solar power plant is presented in the PDD, and the latitude and longitude are also given and the same was confirmed through the PDD/03/. During the remote site audit, assessment team has verified the presence of grievance register at security gate at each project site. During this monitoring period no grievance have been registered. The same has been already verified during desk review process before the remote audit. The assessment team confirms that the project implementation is in accordance with registered PDD/03/.
Findings	No issues were identified
Conclusion	In view of the information's verified during the remote audit and review of supporting documents, the verification team is able to confirm that all physical features (technology, project equipment, and monitoring and metering equipment) of the registered GS project activity are in place and that the project developers have operated the project activity as per the registered PDD /03/ and transition annex. No information regarding data and variables was identified that may surpass the estimated quantity of ERs in the registered PDD /03/.

E.4. Post-registration changes

E.4.1. Temporary deviations from the registered monitoring plan, monitoring methodology or standardized baseline

Not Applicable as there is no temporary deviation from registered monitoring plan or applied methodology. It was assessed and verified from the registered PDD; the applied methodology and the remote-site verification.

E.4.2. Corrections

As per the Monitoring Report Ver 03.0 /01/ there are two corrections one in the current monitoring period and one during the 1st verification report, which has been carried forward for the subsequent verifications.

Correction 1: The project is registered under GS4GG, but an error was discovered during registration regarding the claimed product. It was incorrectly listed as GSCERs, which are specific to CDM or JI projects, although the project is only registered under GS4GG. This issue has been addressed during the current monitoring period, and the project has now been correctly updated to Gold Standard Verified Emission Reductions (GSVERs), in line with the GHG Emissions Reduction & Sequestration Product Requirements.

Upon reviewing the GS4GG Approved Project Design Document (PDD), Ver 06 dated 19/09/2022 /03/, Validation Report, Ver 03 (dated 17/10/2022) /04/, and the Verification Reports, it has been confirmed that the product was incorrectly identified as GSCERs in the registered PDD Ver 06 /03/. However, as indicated in the Validation Report /04/ and the previously approved VKU.F27W Verification Report, the correct product is GSVERs, not GSCERs. It was also verified that the project developer has rectified this error in Table 1 and section B.7.3 of the final PDD which has been reviewed and confirmed as accurate.

VVB has also searched the CDM website (<https://cdm.unfccc.int/Projects/projsearch.html>) /10/ and confirmed that this project is not registered under CDM or another registry. The GS4GG guidelines state that the transition request form is only for projects moving from CDM or other standards to GS4GG or for projects already registered with GS4GG for CER labelling that wish to switch to the GSVER stream. The project GS7627 does not meet these conditions, as it is not transitioning from CDM or another registry, nor is it registered for CER labelling under GS4GG. It is only registered under GS4GG, so labelling is not applicable, as GSCERs are specific to CDM or Joint Implementation projects.

Correction 2: The solar PV module details in the registered PDD were initially different because the commissioning was in progress during the design review, and the full module information was unavailable at that time. The correct details were provided in the first verification report /25/ and have been used in all subsequent verifications.

These correction does not affect the project's Additionality, Baseline, or the applicability of the methodology

VVB concludes that correction has been identified and accepted and is also reflected in monitoring report previously submitted to the gold standard.

E.4.3. Changes to the start date of the crediting period

Not Applicable

E.4.4. Inclusion of a monitoring plan to a registered project activity

Not Applicable

E.4.5. Permanent changes from registered monitoring plan, monitoring methodology or standardized baseline

Monitoring plan is already included in the registered PDD. No permanent changes from registered monitoring plan, applied methodology or applied standardized baseline.

E.4.6. Changes to the project design of a registered project activity

Not Applicable

E.4.7. Types of changes specific to afforestation and reforestation project activities

Not Applicable

E.5. Compliance of monitoring plan with the monitoring methodology including applicable tool and standardized baseline

Means of verification	The project applies the approved methodologies ACM0002 “Consolidated baseline methodology for grid-connected electricity from renewable
------------------------------	---

	sources” version 20.0 of 28/11/2019 /05/. The tools that are applicable to this project activity are: Tool for the demonstration and assessment of additionality (Tool 1)- Version 7.0 of 23/11/2012 /06/. Tool to calculate the emission factor for an electricity system (Tool 7)- Version 7.0 of 31/08/2018 /07/.
Findings	NA
Conclusion	The monitoring plan in the registered PDD /03/ is in accordance with the monitoring methodology ACM0002 “Consolidated baseline methodology for grid-connected electricity from renewable sources” version 20.0 of 28/11/2019 /05/.

E.6. Compliance of monitoring activities with the registered monitoring plan

E.6.1. Data and parameters fixed ex ante or at renewal of crediting period

Means of verification	The parameters were available at the validation stage, which do not need to monitor during the crediting period, as per the revised registered PDD/03/:			
	DATA/ PARAMETER	Source of data	Reported value for the project period	Assessment/ Observation
	EF _{CM,y} (Combined Margin Emission Factor)	Calculated from CEA database, Version 17	0.9305 tCO ₂ e/MWh	As per the approved methodology ACM0002 version 20.0 /05/, the combined emission factor has been determined using the ex-ante option and so it is not requested to monitor and recalculate the emission factors during the crediting period. The combined emission factor is determined to be 0.9305 tCO ₂ e/MWh in the registered PDD /03/ and validation report /04/.
	EF _{grid,BM,y} (Build Margin Emission Factor)	Calculated from CEA database, Version 17	0.8653 tCO ₂ e/MWh	As per the approved methodology ACM0002 version 20.0 /05/, the building emission factor has been determined using the ex-ante option

				and so it is not requested to monitor and recalculate the emission factors during the crediting period. The building emission factor is determined to be 0.8653 tCO ₂ e/MWh in the registered PDD /03/ and validation report /04/.
	EF _{grid,OM,y} (Operating Margin Emission Factor)	Calculated from CEA database, Version 17	0.9522 tCO ₂ e/MWh	As per the approved methodology ACM0002 version 20.0 /05/, the operating emission factor has been determined using the ex-ante option and so it is not requested to monitor and recalculate the emission factors during the crediting period. The operating emission factor is determined to be 0.9522 tCO ₂ e/MWh in the registered PDD /03/ and MR Ver 03.0/01/.
Findings	NA			
Conclusion	The value in the monitoring report /01/ and corresponding emission reduction calculations spreadsheet /02/ are consistent with the registered PDD /03/. The applied value is correct and justified.			

E.6.2. Data and parameters monitored

Means of verification	The following parameters are monitored in accordance with the registered PDD /03/. The only monitoring parameter i.e., “Quantity of net electricity generation supplied by the project plant to the grid in year y (EG _{PJ,grid,y}),” as specified in the registered monitoring plan within the PDD /03/. The parameter is monitored continuously as “kWh” by dedicated energy metres. The project entails the installation of energy meters at a pooling substation, comprises of a main meter and a check meter.			
	S.No.	Location	Main Meter	Check Meter
	1.	70 MW solar Malkapur site	22004105	22004106
	2.	80 MW Arni site	22001180	22001181

	Energy export and import are continuously measured using main and check meters installed at the substation for each site. Monthly readings of these meters are recorded by an authorized MSEDCL officer in the presence of a Project Developer representative. The meters have the accuracy of 0.2s as confirmed through documents and calibration certificate /17/. Quantity of net electricity supplied to the grid will be cross-checked from the Invoices/ Monthly Bill raised by the Project Developer to MSEDCL /16/. As outlined in the registered Project Design Document (PDD)/ 03/ and monitoring report 01/, estimated $EG_{PJ,grid,y}$ and the following sustainability parameters (SDGs) are monitored. $EG_{PJ,grid,y}$ = Quantity of net electricity generation supplied by the project plant to the grid for the period from 01/07/2024 to 31/12/2024 (inclusive of both dates) as follows: $EG_{PJ,grid,y}$ = 1,49,055.39 MWh Actual SDGs • SDG 7 (7.2.1) - Affordable and Clean Energy: 1,49,055.39 MWh renewable energy generated during the MP. • SDG 8 (8.5.1) - Employment development in the region and training provided) • SDG 13 (13.2.1) - Emission Reduction: 138,696 tCO_{2e} for MP
Findings	NA
Conclusion	RINA's opinion that the monitoring of the project activity has been carried out in accordance with the monitoring plan in the PDD /03/ and MR /01/.

E.6.3. Implementation of sampling plan

Means of verification	NA
Findings	NA
Conclusion	NA

E.7. Compliance with the calibration frequency requirements for measuring instruments

Means of verification	As per the registered PDD /03/ and Monitoring Report /01/ site in-charge is responsible for calibration and maintenance of the devices. The project owner does not have control over the meters, as all the meters are under the supervision of Maharashtra State Electricity Distribution Co. Limited (MSEDCL) /16/. MSEDCL performs calibration if major discrepancies arise between meter reading. The calibration of main meter and check meter for 70 MW solar Malkapur site was carried out on 20/06/2022, and for 80 MW Arni site the calibration
------------------------------	--

	was carried out on 18/04/2022 for both main and check meter. The VVB has verified the details from calibration certificates provided by PD /17/. As per the Monitoring report /01/ the calibration frequency of the meters is once in five years in accordance with CEA guidelines. The calibration of meters is deemed appropriate and in compliance with the national regulation. During remote site visit assessment, it was confirmed by the assessment team that the meters are in place and functions well.
Findings	NA
Conclusion	RINA's opinion that the monitoring of the project activity has been carried out in accordance with the monitoring plan in the registered PDD /03/.

E.8. Assessment of data and calculation of emission reductions or net removals

E.8.1. Calculation of baseline GHG emissions or baseline net GHG removals by sinks

Means of verification	The baseline emission of SDG 7 is quantity of net electricity supplied to the grid during the year y. As, baseline and pre-project scenario are same, in baseline no renewable electricity is supplied to the grid from project. Hence for SDG 7 baseline emission is zero. Whereas, SDG 8 involves training to employees and O& M staff, income generation and number of O&M staffs involved in the project. Hence, in baseline condition these values are found zero. Baseline emissions account solely for CO₂ emissions from electricity generation in fuel-fired power plants that are displaced by the project activity. The methodology assumes that any electricity generation from the project exceeding baseline levels would have been produced by existing grid-connected power plants, as well as new grid-connected plants. The baseline emissions calculated as follow: $BE_y = EF_{grid,CM,y} \times EG_{PJ,y}$ Where, BE_y = baseline emissions in year y, (tCO₂e/yr) $EG_{PJ, y}$ = Quantity of net electricity generation that is produced and fed into the grid as a result of the implementation of the project activity in year y (MWh/yr) $EF_{grid,CM,y}$ = Combined margin CO₂ emission factor for grid connected power generation in year y Baseline emission for this monitoring period is. $BE_y = EG_{facility,y} * EF_{grid,CM,y}$
------------------------------	--

	$BE_y = 149,055.39 * 0.9305 \text{ tCO}_2\text{e}$ $BE_y = 138,696 \text{ tCO}_2\text{e}$ The calculation is verified from calculation spreadsheet /02/ provided by PD.
Findings	NA
Conclusion	RINA verified that the baseline emissions were calculated in accordance with the revised registered PDD and methodology ACM0002 “Grid-connected electricity generation from renewable sources” Version 20.0 /05/.

E.8.2. Calculation of project GHG emissions or actual net GHG removals by sinks

Means of verification	The project emissions are assumed to be zero as per the ACM0002 since the project is a renewable energy project as defined in the registered PDD /03/ and validation report /04/
Findings	NA
Conclusion	RINA verified that the project emissions were assumed 0 in accordance with the registered PDD /03/ and methodology ACM0002 /05/.

E.8.3. Calculation of leakage GHG emissions

Means of verification	The leakage emissions are assumed to be zero as per the ACM0002 version 20.0 /05/ as defined in the revised registered PDD /03/. Since the project and leakage emissions are zero, the emission reduction equals to baseline emissions.
Findings	NA
Conclusion	Leakage was considered as zero in accordance with the applied methodology /05/.

E.8.4. Summary of calculation of GHG emission reductions or net anthropogenic GHG removals by sinks

Means of verification	According to the applied methodology “ACM0002”, “Consolidated baseline methodology for grid-connected electricity from renewable sources” /05/, the emission reductions have been calculated based on the following formula: Emission reductions are calculated as follows: Emissions for the amount of electricity supplied by project activity, BE_y is calculated as: $BE_y = EF_{\text{grid,CM,y}} \times EG_{PJ,y}$ Where; BE_y = baseline emissions, tCO₂e EG_{PJ, y} = Net Quantity of Electricity exported EF_{grid,CM,y} = Combined margin CO₂ emission factor for grid connected power generation in year y, i.e., 0.9305 tCO₂/MWh (it has been fixed ex-ante)
------------------------------	--

	$BE_y = 149,055.39 * 0.9305 \text{ tCO}_2\text{e}$ $BE_y = 138,696 \text{ tCO}_2\text{e}$ (Rounded down)
Findings	NA
Conclusion	The emission reduction calculations provided in the spreadsheet Ver 03.0/02/ have been verified to be correct and in line with the registered PDD /03/ and applied methodologies /05/.

E.8.5. Comparison of actual GHG emission reductions or net anthropogenic GHG removals by sinks with estimates in registered PDD

Means of verification	The emission reductions from the project for the monitoring period as reported in the monitoring report are equivalent to 138,696 tCO ₂ . The reported emission reductions 16.72 % lesser than the estimated emission reductions (166,535 tCO ₂ e) for the current monitoring period 01/07/2024 to 31/12/2024 (inclusive of both days) as per the registered PDD /03/ due to variation in the solar radiation availability. The calculation is verified through calculation spreadsheet /02/.
Findings	NA
Conclusion	The actual emission reduction is lower than the estimated reduction given in the registered PDD /03/ and in ER /02/ provided by PD. The reason of the difference between the actual and estimation emission reduction is explained related to variation in climatic conditions and the availability of sunlight lower than expected.

E.8.6. Remarks on difference from estimated value in registered PDD

Means of verification	The emission reductions from the project for the monitoring period as reported in the monitoring report are equivalent to 138,696 tCO ₂ . The reported emission reductions 16.72 % lesser than the estimated emission reductions (166,535 tCO ₂) for the current monitoring period 01/07/2024 to 31/12/2024 (inclusive of both days) as per the registered PDD /03/ due to variation in the solar radiation availability. The calculation is verified through calculation spreadsheet /02/.
Findings	NA
Conclusion	The actual emission reduction is lower than the estimated reduction given in the registered PDD /03/ and in ER /02/ provided by PD. The reason of the difference between the actual and estimation emission reduction is explained related to variation in climatic conditions and the availability of sunlight lower than expected.

E.8.7. Actual GHG emission reductions or net anthropogenic GHG removals by sinks during the first commitment period and the period from 1 January 2013 onwards

Means of verification	The emission reductions from the project for the monitoring period as reported in the monitoring report are equivalent to 138,696 tCO ₂ . The reported emission reductions 16.72 % less than the estimated emission reductions (166,535 tCO ₂) for the current monitoring period 01/07/2024 to 31/12/2024 (inclusive of both days) as per the registered PDD /03/ due to
------------------------------	---

	variation in the solar radiation availability. The calculation is verified through calculation spreadsheet /02/.
Findings	NA
Conclusion	The actual emission reduction is lower than the estimated reduction given in the registered PDD /03/ and in ER /02/ provided by PD. The reason of the difference between the actual and estimation emission reduction is explained related to variation in climatic conditions and the availability of sunlight lower than expected.

E.8.8. Assessment of the sustainability parameters

Means of verification	The assessment of the monitored parameters are described in the tables below:		
	Data variable	Source of Data	Reported value for the project period
	Climate Action Amount of CO2 emission reduction (SDG 13)	Electricity Generation Calculation Spreadsheet /02/	Emission reduction: 138,696 tCO2e
	Assessment		
	Amount of CO ₂ , emissions: The electricity export and import are monitored continuously and reported monthly in Joint Meter Reading (JMR) provided. The monthly reported export and import values as per Joint Meter Reading and Net generation calculation. The values for the monitoring period are verified through supporting documents and calculations listed in Annex 03.		
	Data variable	Source of Data	Reported value for the project period
	Quality of Employment (SDG 8) Trainings	Training Records	A total 23 trainings were conducted in the current monitoring period i.e. 01/07/2024 to 30/12/2024 /01/. The number of training courses was confirmed by the training attendance sheet /18/ provided by the PD.
	Assessment		
	<i>Training:</i> The parameter is monitored on a monitoring period basis by checking the attendance and details of the training. All the trainings details /18/ were provided to the verification team.		
	Data variable	Source of Data	Reported value for the project period
	Quantity of net electricity generation supplied by the	Electricity meters	149,055.39 MWh net electricity generation for MP /01/.

	project plant to the grid in year y (SDG 7)	Electricity Generation and Calculation	
	Assessment		
	<u>EG_{PI,y}</u> : This parameter is monitored by electricity meters and in this monitoring period a total of 149,055.39 MWh is measured and calculated for the net electricity generation /16/.		
	Data variable	Source of Data	Reported value for the project period
	Quantitative Employment and Income Generation (SDG 8) Number of employees and Rate of local people as employees	Training records and salary slip of the employees	The total number of employees are 28 out of 28 employees, 13 are in Arni and 15 are in Malkapur site. The numbers were also cross checked through employee attendance master provided by PD /22/. Total 23 trainings were conducted during this monitoring period as given in MR Ver 03.0/01/ for the period from 01/07/2024 to 31/12/2024.
	Assessment		
	<i>Employment Contracts and Rate of Local People</i> : A total of 28 employees were there in the project during the current monitoring period. Employment records /22/.		
	Safeguards		
	Principle 2. Gender Equality and Women's Rights The Gender equality is considered and committed by project developer by employee's equal pay for equal work during all phases of the project. Furthermore, the details have crosschecked from employment details /22/. Principle 6.1 Labor Rights Appropriate training of workers, documentation and reporting of accidents and incidents, and emergency preparedness and response measures were considered. The training records /18/, and other measures were assessed and records were checked during remote site visit. Principle 9.5 Hazardous and Non-hazardous Waste		

	The Hazardous and non-hazardous waste is managed properly. The waste generated is given to the waste handlers and the firm comply with all the local laws of monitoring and disposal.
Findings	NA
Conclusion	RINA verified that the GS indicators described in the monitoring report Ver 03.0/01/ are accurate and real. Data to cross check the monitored parameters are available at the office of the company. Also, the registers of the sustainability indicators were checked to verify the same.

SECTION F. Internal quality control

The draft final verification report before being submitted to the client will be/is subjected to an independent technical review to confirm that all validation activities has been completed according to the pertinent RINA's procedures. The technical review will be/is performed by a technical reviewer(s) qualified in accordance with the RINA's qualification procedure.

SECTION G. Verification opinion

RINA Services S.p.A (RINA) has performed verification of the emission reductions reported for the project activity 150 MW Solar PV Plant by Juniper Green Field Pvt. Ltd. in Maharashtra, GS Registration Reference No. 7627 for the period 01/07/2024 to 31/12/2024 (Both days included), with regard to the relevant GS requirements and principles. The project developers are responsible for the preparation for the collection of data in accordance with the monitoring plan and the reporting emission reductions from the project. It is RINA's responsibility to express an independent verification opinion on the reported emission reductions from the project and does not express any opinion on the selected baseline scenario or on the validated and registered PDD. Based on documented evidences and corroborated by an remote-site assessment RINA can confirm that: (i) the project has been implemented and operated as per the registered PDD; (ii) the monitoring report and other supporting documents provided are complete and verifiable and in accordance with the applicable GS requirements and principles; (iii) the monitoring is in place as per the applied baseline and monitoring methodology; (iv) the monitoring complies with the registered monitoring plan; (v) the monitoring plan in the registered PDD is as per the applied baseline and monitoring methodology.

SECTION H. Certification statement

It is RINA's opinion that the GHG emission reductions stated in the monitoring report version 03.0 of 09/05/2025 for the project activity 150 MW Solar PV Plant by Juniper Green Field Pvt. Ltd. in Maharashtra, India, for the period 01/07/2024 to 31/12/2024 (Both days included) are fairly stated. The GHG emission reductions were calculated correctly based on the approved monitoring methodology ACM0002 version 20. Hence RINA is able to certify that the emission reductions from the project during the monitoring period 01/07/2024 to 31/12/2024 amount to 138,696 tCO₂e.

Appendix 1. Abbreviations

Abbreviations	Full texts
BE	Baseline Emissions
CAR	Corrective Action Request
CL	Clarification Request
FAR	Forward Action Request
CDM	Clean Development Mechanism
CER(s)	Certified Emission Reduction (s)
CO ₂	Carbon dioxide
CO ₂ e	Carbon dioxide equivalent
tCO ₂ e	Tonnes of Carbon dioxide equivalent
VVB	Validation Verification Body
ER	Emission Reductions
GCC	Global Carbon Council
GHG(s)	Greenhouse gas (es)
GS	Gold Standard
GS4GG	Gold Standard for Global Goals
MR	Monitoring Report
PDD	Project Design Document
PE	Project Emission
PD(s)	Project Developer (s)
Ref.	Document Reference
RINA	RINA Services Spa
VVB	Validation and Verification Body
UNFCCC	United Nations Framework Convention on Climate Change
VVS	Validation and Verification Standard
QA/QC	Quality Assurance and Quality Control
EF	Emission Factor
CEA	Central Electricity Authority
SDG	Sustainable Development Goals
JGEPL	Juniper Green Energy Pvt. Ltd.
MSEDCL	Maharashtra State Electricity Transmission Company Limited

Appendix 2. Competence of team members and technical reviewers



CERTIFICATO DI QUALIFICA QUALIFICATION CERTIFICATE

Si attesta che il sig./sig.ra:
We declare that Mr/Mrs/Ms:

Atin Kumar Pathak

è qualificato come¹:
is qualified as:

TL – VAL – VER – TEC – REG-EXP³

nello schema²:
for the scheme:

VCS – GS4GG

per le seguenti aree tecniche:
for the following technical areas:

1.1 – 1.2 – 3.1 – 5.1 – 7.1 – 13.1 – 13.2 – 14.1 – 15.1

AREE TECNICHE TECHNICAL AREAS	DESCRIZIONE DELL'AREA TECNICA TECHNICAL AREA DESCRIPTION	SCOPO SETTORIALE SECTORAL SCOPE
1.1	Thermal energy generation	1
1.2	Renewables	1
3.1	Energy Demand	3
5.1	Chemical Industry	5
7.1	Transport	7
13.1	Solid waste and wastewater	13
13.2	Manure	13
14.1	Afforestation and Reforestation	14
15.1	Agriculture	15

in accordo alle istruzioni dell'Unità responsabile (OU) per sostenibilità & cambiamenti climatici.
in accordance with the instructions of the responsible unit (OU) for the sustainability & climate change.

REVISIONE REVISION	DATA DATE	MOTIVAZIONI PER LA REVISIONE REASON FOR THE REVISION
0	16/10/2024	First Issue
1	20/11/2024	Update qualification as TL
3	15/04/2025	Update sectoral scope 5, 7, 15

Il Resp. OU
Head of OU

Roma Durano

¹ Legend:

VAL: Validator
VER: Verifier
TEC: Technical Expert
TL: Team Leader
FIN-EXP: Financial Expert
REG-EXP: Regional Expert
ITR: Independent Reviewer
DET: Déterminer

² Legend:

CDM: Clean Development Mechanism
VCS: Verified Carbon Standard
GS4GG: Gold Standard for Global Goals
SCS: SocialCarbon Standard
JI: Joint Implementation
ISO14064-2: International standard 14064 part 2

3 Indonesia, Thailand, Malaysia, Kyrgyzstan, Portugal, Estonia, Lithuania, Latvia, Africa Region

RINA Services S.p.A. è accreditata da UNFCCC, quale Entità Operativa Designata (DOE), per condurre la Validazione e la Verifica di Progetti CDM, da VCSA per condurre la Validazione e la Verifica di Progetti VCS, da GS Foundation, per condurre la Validazione e la Verifica di Progetti GS, da Ecologica Institute per condurre la Validazione e la Verifica di Progetti SCS.
RINA Services S.p.A. is accredited by the UNFCCC, as Designated Operational Entity (DOE), to carry out Validation and Verification of CDM Projects, by the VCSA, to carry out Validation and Verification of VCS Projects, by the GS Foundation, to carry out Validation and Verification of GS4GG Projects and by the Ecologica Institute, to carry out Validation and Verification of SCS Reports.

GHG_QUAL_CERT_EN(06-2021)

Page 1 of 2

CERTIFICATO DI QUALIFICA PER GLI SCHEMI VOLONTARI*
QUALIFICATION CERTIFICATE FOR VOLUNTARY SCHEMES*

Si attesta che il sig./sig.ra:
We declare that Mr/Mrs/Ms:

Cyril Augustus Arokiasamy Amalorpavanathan

è qualificato come:
is qualified as:

TEC, VAL, VER, TL, Local Expert, ITRP, REG¹

per le seguenti aree tecniche:
for the following technical areas:

AREE TECNICHE TECHNICAL AREAS	DESCRIZIONE DELL'AREA TECNICA TECHNICAL AREA DESCRIPTION	SCOPO SETTORIALE SECTORAL SCOPE
1.1	Thermal energy generation	1
1.2	Renewables	1
4.1	Cement and Lime Production	4
3.1	Energy Demand	3
5.1	Chemical industry	5
13.1	Solid Waste and wastewater	13

REVISIONE REVISION	DATA DATE	MOTIVAZIONI PER LA REVISIONE REASON FOR THE REVISION
0	19/07/2016	First issue with new template (this certificate is linked to CDM qualification)
2	09/10/2017	Qualification update as ITRP ²

Responsabile di schema
Scheme Leader
Laura Severino



*SCHEMI VOLONTARI/ VOLUNTARY SCHEMES: ACR American Carbon Registry, CCB The Climate, Community & Biodiversity Alliance, GS Gold Standard, JI Joint Implementation, SCS Social Carbon Standard, VCS Verified Carbon Standard.

¹ Ghana, Azerbaijan, China, Sri Lanka, Bangladesh, Nepal, Thailand, Indonesia, Singapore, Malaysia, Cambodia, Vietnam, Philippines, UAE and Iraq, Brazil, Japan.

TEC: Technical expert; VAL: Validator; VER: Verifier; TL: Team leader; FIN EXP: Financial Expert; ITRP: Independent technical reviewer

RINA Services S.p.A. è accreditato/riconosciuto da
RINA Services S.p.A. is accredited /recognized by

UNFCCC	quali Entità Operativa Designata (DOE), per condurre la Validazione e la Verifica di Progetti CDM as Designated Operational Entity (DOE), to carry out Validation and Verification of CDM Projects
VCSA	per condurre la Validazione e la Verifica di Progetti VCS to carry out Validation and Verification of VCS Projects
GS Foundation	per condurre la Validazione e la Verifica di Progetti GS to carry out Validation and Verification of GS Projects
Ecologica Institute	per condurre la Validazione e la Verifica di rapporti SCS to carry out Validation and Verification of SCS Reports
American Carbon Registry ACR	per condurre la Validazione e la Verifica di Progetti ACR to carry out Validation and Verification of ACR projects
The Climate, Community & Biodiversity Alliance CCB	per condurre la Validazione e la Verifica di Progetti co-benefit CCB to carry out Validation and Verification of co-benefit CCB projects

GHG_QUAL_CERT_EN_07_16 Voluntary(Certificate)

Page 1 of 1

Appendix 3. Documents reviewed or referenced

App	Author	Title	References to the document	Provider
1	Infinite Environmental Solutions Limited	Monitoring Report: 150 MW Solar PV Plant by Juniper Green Field Pvt. Ltd. in Maharashtra' Monitoring Report: 150 MW Solar PV Plant by Juniper Green Field Pvt. Ltd. in Maharashtra' Monitoring Report: 150 MW Solar PV Plant by Juniper Green Field Pvt. Ltd. in Maharashtra'	Version 01 Dated 28/02/2025 Version 02 Dated 06/05/2025 Version 03 Dated 09/05/2025	Project Proponent
2	Infinite Environmental Solutions Limited	Emission Reduction Spreadsheet: 150 MW Solar PV Plant by Juniper Green Field Pvt. Ltd. in Maharashtra Emission Reduction Spreadsheet: 150 MW Solar PV Plant by Juniper Green Field Pvt. Ltd. in Maharashtra Emission Reduction Spreadsheet: 150 MW Solar PV Plant by Juniper Green Field Pvt. Ltd. in Maharashtra	Version 01 Dated 28/02/2025 Version 02 Dated 06/05/2025 Version 03 Dated 09/05/2025	Project Proponent
3	Infinite Solutions	PDD: 150 MW Solar PV Plant by Juniper Green Field Pvt. Ltd. in Maharashtra	Version 06 Dated 19/09/2022	Publicly available
4	Applus Certification	Validation Report: 150 MW Solar PV Plant by Juniper Green Field Pvt. Ltd. in Maharashtra.	Version 03 Dated 17/10/2022	Publicly available
5	CDM Executive Board	Baseline and monitoring methodology "ACM0002" "Consolidated baseline methodology for grid-connected electricity from renewable sources"	Version 20.0 Dated 28/11/2019	Publicly available
6	CDM Executive Board	Tool for the demonstration and assessment of additionality (Tool 1)	Version 07.0 Dated 23/11/2012	Publicly available

7	CDM Executive Board	Tool to calculate the emission factor for an electricity system (Tool 7)	Version 07.0 Dated 31/08/2018	Publicly available
8	Gold Standard Foundation	Gold Standard for Global Goals Principles & Requirements	Version 1.2 Dated 23/10/2019	Publicly available
9	Gold Standard Foundation	Gold Standard for Global Goals Validation/Verification Body Requirements	Version 3.0 Dated 12/11/2024	Publicly available
10	CDM Executive Board	https://cdm.unfccc.int/Projects/projsearch.html	Accessed on 09/05/2024	Publicly available
11	Gold Standard Foundation	Gold standard for the global goals Monitoring Report Template and Template Guide for Monitoring Report	Version 1.1 Dated 14/10/2020	Publicly available
12	GCC	https://www.globalcarboncouncil.com/how-gcc-works/carbon-registry/	Accessed on 13/04/2025	
13	Juniper Green Field Pvt. Limited	Commissioning Certificate 1. Arni (80 MW) 2. Malkapur (70 MW)	1. Date 01/06/2022 2. Date- 08/08/2022	Project Proponent
14	Juniper Green Field Pvt. Limited	Photographs of the project site	--	Project Proponent
15	Juniper Green Field Pvt. Limited	Power Purchase Agreement between Juniper Green Field Private Limited (JGFPL) and Maharashtra Electricity Distribution Company Limited, dated 10/02/2020, Ref No. MSEDCL/RE/2019/500MW Solar/Ph-IV/T-074	--	Project Proponent
16	Juniper Green Field Pvt. Limited	JMR and Invoices Period- 01/07/2024 to 31/12/2024	--	Project Proponent
17	Juniper Green Field Pvt. Limited	Meter Calibration Certificate 1.Arni (22001180)- Test Report No.- TQAN/TR/22-23/38/38 dated 25/04/2022 by TQA Lab MSEDCL, Nagpur. 2.Malkapur (22004105)- Test Report No. TQAN/TR/22-23/70/65 dated 27/06/2022 by TQA Lab MSEDCL, Nagpur	-	Project Proponent

18	Juniper Green Field Pvt. Limited	Training Records and attendance sheet Period 01/07/2024 to 31/12/2024 1. Arni- 06 trainings conducted 2. Malkapur- 17 trainings conducted Complete list of trainings conducted during this MP is listed in Appendix 6.	-	Project Proponent
19	Juniper Green Field Pvt. Limited	Undertaking for No double counting	Date 26/02/2025	Project Proponent
20	Juniper Green Field Pvt. Limited	JGEPL/HC- No discrimination Policy Letter	Rev Date: 16/07/19	Project Proponent
21	Juniper Green Field Pvt. Limited	Major Breakdown Sheet-14/09/2024 and 15/12/2024 Complete details of shutdown are present in Appendix 7	-	Project Proponent
22	Juniper Green Field Pvt. Limited	Employment records (Employee Attendance Master – Arni and Malkapur) and Salary Slips of the employees	-	Project Proponent
23	Juniper Green Field Pvt. Limited	Grievance Register Arni – 30/04/2024 to 31/01/2025 Malkapur- 30/04/2024 to 31/01/2025	-	Project Proponent
24	Gold Standard	https://www.globalcarboncouncil.com/how-gcc-works/carbon-registry/	Last date visited 22/3/25	Publicly Available
25	Applus Certification	GOLD STANDARD FOR THE GLOBAL GOALS (GS4GG): “150 MW Solar PV Plant by Juniper Green Field Pvt. Ltd. in Maharashtra” Verification Report Reference No. A+SH_SYST_TQC_GS_VER_8123	Version 03 Date: 09/08/2023	Publicly Available
26	VKU Certification Pvt. Ltd.	GS4GG Verification (Performance) Certification Report “150 MW Solar PV Plant by Juniper Green Field Pvt. Ltd. in Maharashtra” Verification Report VKU Project Reference No. VKU.VER.21.23_GS_7627	Version 02 Date: 28/03/2024	Publicly Available
27	VKU Certification Pvt. Ltd.	GS4GG Verification (Performance) Certification Report “150 MW Solar PV Plant by Juniper Green Field Pvt. Ltd. in Maharashtra” Verification Report VKU Project Reference No. VKU.VER.32.24_GS_7627	Version 03 Date: 19/12/2024	Publicly Available

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

Table 1. Remaining FAR from validation and/or previous verification

FAR ID	xx	Section no.		Date: DD/MM/YYYY
Description of FAR				
Project developer response				Date: DD/MM/YYYY
Documentation provided by project developer				
VVB assessment				Date: DD/MM/YYYY

Table 2. CR from this verification

CR ID	01	Section no.	MR Version 01	Date: 25/04/2025
Description of CR				
PD is requested to provide the documents:				
1. Calibration Certificate				
2. Commissioning Certificate				
3. Employment Details and Salary slips				
4. Grievance register				
Project developer response				Date: DD/MM/YYYY
The Required relevant documents have been submitted along with the DVR responses.				
Documentation provided by project developer				
1. Calibration Certificate				
2. Commissioning Certificate				
3. Salary slips				
4. Grievance register				
VVB assessment				Date: 08/05/2025
PD has submitted the document referenced in the CR 01. However, the document containing employment details has not yet been provided. This document is needed to confirm the number of employees at Juniper Green Field Pvt. Limited during the current monitoring period, which will allow us to verify the employment details listed in the MR. Hence the CR is still open.				
Project developer response			Date: 09/05/2025	
PD has submitted the Attendance register sheet to cross verify the number of employees.				
Documentation provided by project developer				

1.Copy of Attendance register	
VVB assessment	Date: 12/05/2025
As requested, the PD has provided the attendance register, which the VVB has reviewed to verify the number of employees at Juniper Green Field Pvt. Limited during the current monitoring period. The information has been confirmed as correct, as stated in MR Ver 03. Hence the CR 01 is Closed.	

Table 3. CAR from this verification

CAR ID	01	Section no.	MR Version 01	Date: 25/04/2025
Description of CAR				
PD is requested to verify the trainings number and details provided in current monitoring period and make the correction throughout the monitoring report accordingly.				
Project developer response				Date: DD/MM/YYYY
A total of 23 training sessions have been conducted during the current monitoring period 06 at the Arni site and 17 at the Malkapur site. The number of trainings has been reviewed and updated consistently throughout the Monitoring Report (MR).				
Documentation provided by project developer				
1. Training Attendance sheet.				
VVB assessment				Date: 08/05/2025
PD has provided the training attendance sheet, which confirms that a total of 23 training sessions were conducted during the current monitoring period. This information has also been updated in the MR accordingly. Hence the CAR is closed.				

CAR ID	02	Section no.	MR Version 01	Date: 25/04/2025
Description of CAR				
PD is requested to kindly review and verify the number of employees as the numbers throughout the MR is not consistent.				
Project developer response				Date: DD/MM/YYYY
The total number of employees is 28. This figure has been reviewed and updated to ensure consistency throughout the entire Monitoring Report (MR).				
Documentation provided by project developer				
Monitoring report V 2.0				
VVB assessment				Date: 08/05/2025
PD has updated and corrected the total numbers of employees in MR V2.0, requesting you to please share the evidence for the same. Hence the CAR 02 is open.				
Project developer response				Date: 09/05/2025
PD has submitted the copy of attendance register to the assessment team to cross verify the number of employment.				
Documentation provided by project developer				
1.Copy of attendance register				
VVB assessment				Date: 12/05/2025

As requested, the PD has provided the attendance register, which the VVB has reviewed to verify the number of employees at Juniper Green Field Pvt. Limited during the current monitoring period. The information has been confirmed as correct, as stated in MR Ver 03

CAR ID	03	Section no.	MR Version 01	Date: 25/04/2025
Description of CAR				
PD is requested to cross check the value of emission reduction and correct the value accordingly.				
Project developer response				Date: DD/MM/YYYY
The emission reduction values have been verified and corrected, and the revised figures have been updated consistently throughout the entire Monitoring Report (MR).				
Documentation provided by project developer				
Monitoring Report V 2.0 and ER sheet V 2.0				
VVB assessment				Date: 08/05/2025
PD had requested a review of the emission reduction values. The RINA team has checked MR Version 2.0 and ER Sheet Version 2.0 and found the values are correct. Hence, CAR 03 has been closed.				

CAR ID	04	Section no.	MR Version 01	Date: 25/04/2025
Description of CAR				
PD is requested to make consistency in monitoring period dates throughout the MR.				
Project developer response				Date: DD/MM/YYYY
The monitoring period dates have been reviewed and updated for consistency across the entire Monitoring Report.				
Documentation provided by project developer				
MR V 2.0				
VVB assessment				Date: 08/05/2025
PD has corrected the date for current monitoring period in MR V2.0. Hence the CAR is closed.				

CAR ID	05	Section no.	E 5.1 (SDG 13)	Date: 25/04/2025
Description of CAR				
PD is requested to verify the calculation provided in the table of this section.				
Project developer response				Date: DD/MM/YYYY
The Calculation mentioned in the table has been revised and updated under the table E.5				
Documentation provided by project developer				
MR V 2.0				
VVB assessment				Date: 08/05/2025
PD has revised the information and updated the MR. Hence, CAR 05 has been closed.				

CAR ID	06	Section no.	ER Sheet Ver 2.0	Date: 08/05/2025
Description of CAR				

PD is requested to ensure consistency in the monitoring period across both the MR and ER sheets, as discrepancies were observed.	
Project developer response	Date: 09/05/2025
The PD has corrected and ensured consistency in the monitoring period across both the MR and ER.	
Documentation provided by project developer	
Revised MR V 3.0 and ER V 3.0	
VVB assessment	Date: 12/05/2025
PD has incorporated the changes and provided the updated MR and ER sheet. Hence CAR 06 is closed.	

Table 4. FAR from this verification

FAR ID	xx	Section No.	Date: DD/MM/YYYY
Description of FAR			
Project developer response			Date: DD/MM/YYYY
Documentation provided by project developer			
VVB assessment			Date: DD/MM/YYYY

Appendix 5. Meter Details

For 70 MW solar Malkapur site

S.No.	Meter Number	Type	Make	Accuracy class	Date of calibration	Due date ¹
1	22004105	Main	L&T	0.2s	20/06/2022	19/06/2027
2	22004106	Check	L&T	0.2s	20/06/2022	19/06/2027

For 80 MW Arni site

S.No.	Meter Number	Type	Make	Accuracy class	Date of calibration	Due date
1	22001180	Main	L&T	0.2s	18/04/2022	17/04/2027
2	22001181	Check	L&T	0.2s	18/04/2022	17/04/2027

Appendix 6. Training Details

For 80 MW Arni site:

S. No.	Date	Topics	Number of participants
1	10/7/2024	Incomer panel Operation & Maintenance	13
2	5/8/2024	Incomer Local & Remote Operation Checking	13
3	15/09/2024	Switchyard SF6 breaker & Isolator operation Work	12
4	12/10/2024	VCB panel Rack-In & Rack -Out operation	12
5	10/11/2024	Incomer Local & Remote Operation Checking	12
6	10/12/2024	Incomer panel Operation & Maintenance	12
Total trainings		06	

For 70 MW solar Malkapur site:

S.N o.	Date	Topics	Number of participants
1	23/07/2024	PPE's Awareness Training	4
2	27/07/2024	LSSR (Life Saving Safety Rules)	4
3	29/07/2024	Snake bite Training	4
4	22/08/2024	General Safety Awareness	7
5	23/08/2024	LOTO Training	6
6	24/08/2024	Fire Safety Training	6
7	9/9/2024	Snake bite awareness	6
8	23/09/2024	General Safety Awareness	6
9	30/09/2024	Snakebite & Scorpio bite awareness	6
10	7/10/2024	Electrical safety	6
11	14/10/2024	How to use fire extinguisher	6
12	19/10/2024	Fire Safety management	9
13	21/10/2024	Technical Training about PSS working system	10
14	11/11/2024	ERP & First Aid	10
15	18/11/2024	ERP & First Aid ,Fire Safety	1
16	17/12/2024	PTW	2
17	25/12/2024	EHS (Incident management)	11
Total trainings		17	

Appendix 7. Shutdown details/major maintenance or disruption in power generation

For 80 MW Arni site:

Date	B/d Description	Start time	Stop time	Total down time Hrs.
14/09/2024	Grid BD from GSS	7:02	7:40	0:38
15/12/2024	Grid BD from GSS	6:29	7:23	0:54
Total				1:32:00

For 70 MW solar Malkapur site

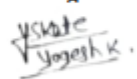
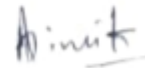
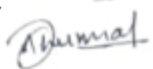
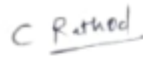
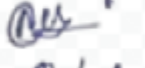
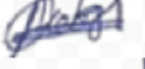
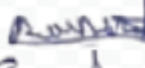
Date	B/d Description	Start time	Stop time	Total down time Hrs.
Current MP	No Breakdown	Nil	Nil	Nil
Total				0:00:00

Appendix 8. Interview List

INTERVIEW LIST

File no: 2025 GQ CE 70

Standard/Project ID: GS7627

Project Title: 150 MW Solar PV Plant by Juniper Green Field Pvt. Ltd. in Maharashtra		Client: Infinite Environmental solutions Limited Location: Maharashtra		
Person's Name	Occupation	Village/Organization	Topic	Signature
Yogesh Kate	Assistant Manager	Juniper Green Field Pvt. Ltd		
Amit Dixit	SR Engineer	Juniper Green Field Pvt. Ltd		
Akash Dhumal	Engineer	Juniper Green Field Pvt. Ltd		
Nilesh Rathod	Technician (Stakeholder)	Village- Tighra Taluka-Malkapur		
Chetan Rathod	Technician (Stakeholder)	Village- Tighra Taluka-Malkapur		
Manik Pardhi	Senior Technician	Juniper Green Field Pvt. Ltd		
Mallikaarjun Vhamore	Engineer	Juniper Green Field Pvt. Ltd		
Mohan Patrikar	Senior Technician	Juniper Green Field Pvt. Ltd		
Satyam Pardhi	Senior Engineer	Juniper Green Field Pvt. Ltd		
Narendra Kyadav	Technician	Juniper Green Field Pvt. Ltd		
Adesh Sinde	Labour Stakeholder	Village-Shirpur Taluka -Arni		
Prashant	Farmer Stakeholder	Village-Shirpur Taluka -Arni		
Krishna Rathod	Engineer	Juniper Green Field Pvt. Ltd		