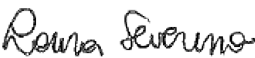




Verification and certification report form for GS project activities

VERIFICATION AND CERTIFICATION REPORT

Title of the project activity	20 MW Solar Project in Sanwreej, Jodhpur, Rajasthan
GS Reference number of the project activity	GS5575
Version number of the verification and certification report	04
Completion date of the verification and certification report	18-02-2025
Monitoring period number and duration of this monitoring period	4 th Monitoring Period 01/01/2023 to 29/03/2024 (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	30/03/2017 to 29/03/2024
Project participant(s)	Janardan Wind Energy Pvt. Ltd. (JWEPL)
Host Country	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 17.0
Estimated GHG emission reductions or net anthropogenic GHG removals for this monitoring period in the registered PDD	34,882tCO ₂ e
Certified GHG emission reductions or net anthropogenic GHG removals for this monitoring period	47,521tCO 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 (Authorized officer signing for the VVB) Decarb & Chain of Custody Product Management

SECTION A. Executive summary

Purpose and general description of the project

The project includes the efforts towards the Climate Change Mitigation through the generation of electrical energy using sustainable means is the primary purpose of the project activity “20 MW Solar Project in Sanwreej, Jodhpur, Rajasthan” in India. It is a large-scale solar project in Sanwreej village of Phalodi tehsil in Jodhpur district of Rajasthan state in India which is replacing anthropogenic emissions of greenhouse gases (GHG’s) to be approximately 47,521 tCO₂e per annum, there on displacing 48,605.32 MWh/year amount of electricity from the generation-mix of power plants connected to the Indian electricity grid (NTPC Vidyut Vyapar Nigam (NVVN) Ltd), which is mainly dominated by thermal/ fossil fuel-based power plant. Janardan Wind Energy Pvt. Ltd. (JWEPL) is the project investor of this project activity.

This Project is under Jawaharlal Nehru National Solar Mission (JNNSM) Phase II, Batch II (DCR1 Category) with the total capacity of 20 MW and it involves the installation of 10 MW (project-I) and 10 MW (project-II) and these details of the projects were verified from the commissioning certificate /15/.

The benefits of GHG emission reduction through this project activity was only accounted under the GS (Gold Standard). There are not any other RECs were issued for the project activity like VERRA /27/, GCC (Gold Certificate Council) /28/ or Social Carbon. Additionally, programmes like government regulated systems, renewable energy certificate programme for the checks and monetization of GHG emissions which includes emission trading scheme, carbon tax mechanisms, cap or trade has not been implemented in India that is the host country.

During the current monitoring period from 01/01/2023 to 29/03/2024 (Inclusive of both dates) this project activity has contributed in achieving SDG 7 (48,605.32 MWh), SDG 8 (12 Trainings, 34 employees and INR 3,222,610) and SDG 13(47,521 tCO₂e) as confirmed through monitoring report /03/.

Location

Village: Sanwreej, Tehsil: Phalodi, District: Jodhpur, State: Rajasthan., India.

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 20 MW Solar Project in Sanwreej, Jodhpur, Rajasthan for the period 01/01/2023 to 29/03/2024 (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 using RINA procedures in line with the GS requirements /07//08/ and requirements specified in the CDM Validation and Verification Standard /09/available at the time of the verification starts, and applying standard auditing techniques. RINA assesses 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 not meant to provide any consultancy towards the project participants. However, stated requests for clarifications and/or corrective actions may have provided input for improvement of the monitoring.

Conclusion

RINA commissioned by Janardan Wind Energy Pvt. Ltd. (JWEPL) has performed the 4th verification of the emission reductions reported for the project activity 20MW Solar project in Jodhpur, Rajasthan, GS Registration Reference No. 5575 for the monitoring period 01/01/2023 to 29/03/2024 (454 Days), with regard to the relevant GS requirements /07//08/ and principles for project activities. The project was validated by VVB name Applus+ Certification, LGAI Technological Centre, S.A. (validation report A+SH_SYST_TQC_004616-GS, Version 2.0 of 28/02/2018) /02/

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, Verifier, Technical Expert TA 1.2	IR	Augustus	Cyril	RINA India	√	√	√	√
2.	Verifier in Training	IR	Pathak	Atin Kumar	RINA India	√	√	√	√
3.	Verifier in Training	IR	Ramaswamy	Ramya	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	Carvalho	Thaís De Lima	RINA Brazil
2.	Approver	IR	Severino	Laura	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	Being 4 th verification of 1 st crediting period, the project proponent is familiar with the data reporting and monitoring processes in line with the registered PDD and previous verification and certification reports. In addition, the prime monitoring parameter is net export to grid which is as per monthly generation report as recorded in calibrated energy meters. Hence, the risk level is low.	During the remote-site audit, the assessment team has interviewed the staffs of the GS team and checked all records to approve whether the monitoring plan has been well implemented or not. The major parameters that were used for the determination of the project's baseline emissions are the measurement of net electricity generation according to the monitoring plant that is recorded on monthly basis. The team assessed all the documents, whole data set of the monthly report and cross checked against invoice raised. The verification team has also checked the relevant documents to confirm whether the data collection procedure and QA/QC procedure have been well implemented.
2.	Undue reliance on a poorly designed information system, which may have few effective quality controls.	Low	As this is the 4 th verification report of the 1 st crediting period, the project proponent has already established a well-organized monitoring team and plan, which includes data collection procedure and quality assurance (QA)/quality control (QC) procedure consistent with registered monitoring plan. Monitoring equipment's are calibrated at defined frequency. Hence, the level of risk is low.	
3.	Manual adjustment of otherwise automatically recorded activity levels.	Low	As detailed below in section C.2. the data of the main monitoring parameters are taken from calibrated meters (energy meters) and can be verified from totalizer values. The monitoring equipment's are calibrated according to national standards and	

			rules. Therefore, the level of risk is low.	
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C.2. Consideration of materiality in conducting the verification

The project is carried out at a single location, and 100% of the data is available for verification. The plant's export to the grid is tracked and recorded using a calibrated energy metre. Net power generation is the data that directly influences emission reduction calculations; this data is 100% verifiable and is measured and tracked by calibrated electricity metres. Thus, in accordance with paragraph 329 and section 9.1.2.3.1 of the CDM Validation and Verification Standard/09/ neither the preparation for the verification nor the verification procedure revealed any material reporting risks to the verification's materiality. The team cross-checked with monthly metre records and examined the entire data set of monthly records for net electricity /18/ during the verification process. The monitoring report's data are accurate in their calculation of emission reductions, and are align with the monthly records. The verification team concludes by certifying that there are no significant material errors in the data set.

SECTION D. Means of verification

D.1. Desk review

The verification is performed primarily as a desk review of the documents submitted at various stages of assessments. The review is performed by assessment team using dedicated protocols. The assessment team cross checks the monitoring report version 02 of 02/08/2024, /03/ the calculations for emission reduction provided in the form of spreadsheet “ER_calculation_GS5575” version 02 of 02/08/2024 /11/, the approved baseline and monitoring methodology ACM0002 version 17 of 13/05/2016 /10/ and all the documentation provided to support the monitoring period, was assessed as part of the verification. In addition, the registered Project Design Document version 07 of 13/10/2020 /01/, the emission reductions calculation, were assessed as part of the verification. The estimation of baseline, monitoring plan and Validation Report by Applus+ Certification, LGAI Technological Centre, S.A. (validation report: A+SH_SYST_TQC_004616-GS, Version 02.0 of 28/02/2018 /2/ for the project, were also reviewed. The list of all documents reviewed are referenced during the verification is available in Appendix 3 below.

D.2. Remote-site inspection

Duration of remote-site inspection: 24/06/2024				
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	Sanwreej, Phalodi, Rajasthan (Remote-site visit)	24/06/2024	Cyril A., Atin Kumar Pathak, Ramya Ramaswamy
2.	Reviewed the information flows for generating, aggregating and reporting the monitoring parameters	Sanwreej, Phalodi, Rajasthan (Remote-site visit)	24/06/2024	Cyril A., Atin Kumar Pathak, Ramya Ramaswamy
3.	Checked calibration performance, reviewed calculations and assumptions made in determining the GHG data and emission reductions	Sanwreej, Phalodi, Rajasthan (Remote-site visit)	24/06/2024	Cyril A., Atin Kumar Pathak, Ramya Ramaswamy
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	Sanwreej, Phalodi, Rajasthan (Remote-site visit)	24/06/2024	Cyril A., Atin Kumar Pathak, Ramya Ramaswamy
5.	Cross-checked between information provided in the monitoring report and data evidence, including the Gold Standard parameters	Sanwreej, Phalodi, Rajasthan (Remote-site visit)	24/06/2024	Cyril A., Atin Kumar Pathak, Ramya Ramaswamy

D.3. Interviews

No.	Interviewee			Date	Subject	Team member
	Last name	First name	Affiliation			
1.	Mondal	Abhishek	Senior Analyst – Energy Management	24/06/2024	Description of the project activity,	Cyril A., Atin Kumar Pathak, Ramya Ramaswamy
2.	Kumar Joshi	Kapil	Manager	24/06/2024	Baseline and Additionality, Emission	Cyril A., Atin Kumar Pathak, Ramya Ramaswamy
3.	Paliwal	Moti	Site Incharge	24/06/2024	reductions calculations, Monitoring plan and monitoring arrangements, GS Sustainable Indicators (SDGs), Local stakeholder consultation,	Cyril A., Atin Kumar Pathak, Ramya Ramaswamy
4	Meena	Ramaraj	Technician	24/06/2024	Environmental and social impacts	Cyril A., Atin Kumar Pathak, Ramya Ramaswamy
5.		Shirram	Local Villager, Village – Sanwreej, Agriculture Farmer	24/06/2024	Benefit of the project to the village Grievance/ Input Mec.	Cyril A., Atin Kumar Pathak, Ramya Ramaswamy
6.	Singh	Sumer	Local Villager, Village – Towrange, Agriculture Farmer	24/06/2024	Level of Noise Excavated soil Dust emission SDG Impacts	Cyril A., Atin Kumar Pathak, Ramya Ramaswamy

The audit was conducted by VVB on 24/06/2024 remotely with the project proponent and the team. The security and confidentiality is maintained during the remote audit as per the Site Visit and Remote Audit Requirements and Procedures Ver. 02 dated 30/05/2023 /29/. The employees working for the project were interviewed about the implementation status, operations, monitoring equipment and generated electricity of the project activity.

It was verified during the remote audit that there had been no unfavourable/negative remarks or feedback regarding project activity throughout the grievance procedure and ongoing inputs for the observation period. Furthermore, the VVB evaluated whether a comment book should be placed in the most suitable and easily accessible area for the general public to enable stakeholders to provide their feedback on the project. Interviews with village stakeholders and the logbook have validated the continual input/grievance process. There were no remarks in the logbook.

Furthermore, during the interview, the project staff and stakeholders were asked if there had been any legal challenges or disagreements during the monitoring period, and they confirmed that there were no any legal contest or disputes had arisen.

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	CR 1, CR 2, CR 3		
Post-registration changes			
Compliance of the monitoring plan with the monitoring methodology including applicable tool and standardized baseline	CR 8		
Compliance of monitoring activities with the registered monitoring plan			
Compliance with the calibration frequency requirements for measuring instruments			
Assessment of data and calculation of emission reductions or net removals	CR 4, CR 6, CR 7		
Others (please specify)	CR 5	CAR 1, CAR 2	
Total	08	02	

SECTION E. Verification findings

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

Means of verification	The latest version of monitoring report /03/and the previously submitted versions by the PP was the basis for starting the verification process. Assessment team from RINA confirms that the Monitoring report is based on GS4GG MR template /12/that is currently valid.
Findings	NA
Conclusion	The assessment team has verified and confirmed that the monitoring report is prepared as per the recent GS4GG MR template /12/.

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

>> Based on the review of the Gold Standard Foundation /07//08/, no FAR has been raised for the current monitoring period.

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

Means of verification	The Monitoring Report for the project activity “20 MW Solar Project in Sanwreej, Jodhpur, Rajasthan.”, /03/ submitted by the Infinite Environmental Solutions Limited have been the basis for the 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 /01/. The starting date of operation and 1 st crediting period is 30/03/2017 and 18/04/2017, respectively, for Project-I and Project-II. As per the
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	registered PDD /01/, validation report /02/ and the previous verification report /05//06/, the project activity is a solar power plant with a total capacity of 20 MW, which is confirmed through the commissioning certificate/15/. 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 /01/. The assessment team confirms that the project implementation is in accordance with registered PDD/01/.
Findings	No issue identified and hence finding was not raised for this section.
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 participants have operated the project activity as per the registered PDD /01/ and transition annex. No information with regard to data and variables was identified that may surpass the estimated quantity of ERs in the registered PDD /01/.

E.4. Post-registration changes

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

>> There are no temporary deviations from registered monitoring plan or applied methodology. It was verified and confirmed from the registered PDD/01/; the applied methodology/10/ and the remote-site verification.

E.4.2. Corrections

>> The variation in the value of the parameter EFgrid,BM,y is addressed during the second verification. The correction has been identified and accepted in section E.4.2, and is also reflected in section B.6.2 of the CDM PDD previously submitted to the UNFCCC. No corrections have been identified for the current monitoring period.

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

>> There are no permanent changes from the registered monitoring plan/03/ or applied methodology/10/ during the current monitoring period.

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

>> No changes occurred during the current monitoring period. However, during the 2nd verification, changes to the project design were identified and accepted. The CDM-registered PDD indicates that 72,960 solar PV modules were installed, while the actual number of modules installed on-site is 77,760, leading to an increase in the DC capacity of the project activity. In the revised PDD, the project participant (PP) has updated the number of solar PV modules and the corresponding DC capacity. A detailed assessment of the project design

change is provided in the validation report on post-registration changes, which has been submitted to the UNFCCC for approval.

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 17.0 of 13/05/2016 /10/. 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 /30/. Tool to calculate the emission factor for an electricity system (Tool 7)- Version 5.0 of 27/11/2015 /31/.
Findings	No issues identified in section hence finding was not raised.
Conclusion	The monitoring plan in the registered PDD /01/ is in accordance with the monitoring methodology ACM0002 “Consolidated baseline methodology for grid-connected electricity from renewable sources” version 17.0 of 13/05/2016 /10/.

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 registered PDD:			
	DATA/ PARAMETER	Source of data	Reported value for the project period	Assessment/ Observation
	EF _{grid,CM,y} (Combined Margin Emission Factor)	Central Electricity Authority: “CO ₂ Emission Database, Version 11”	0.9777 tCO ₂ e/MWh	As per the approved methodology ACM0002 version 17.0 /10/, 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 0.9777 tCO ₂ e/MWh in the registered PDD /01/ and validation report /02/.
EF _{grid,BM,y} (Build Margin Emission Factor)	Central Electricity Authority: “CO ₂	0.9285 tCO ₂ e/MWh	As per the approved methodology ACM0002 version 17.0 /10/, the building emission factor has been determined using the ex-ante	

		Emission Database, Version 11”		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 0.9285 tCO ₂ e/MWh in the registered PDD /01/ and validation report /02/.
	EF _{grid,OM,y} (Operating Margin Emission Factor)	Central Electricity Authority: “CO ₂ Emission Database, Version 11”	0.9941 tCO ₂ e/MWh	As per the approved methodology ACM0002 version 17.0 /10/, 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 0.9941 tCO ₂ e/MWh in the MR /03/ provided by PP.
Findings	No finding was raised			
Conclusion	The value in the monitoring report /03/ and corresponding emission reduction calculations spreadsheet /11/ are consistent with the registered PDD/01/. The applied value is correct and justified.			

E.6.2. Data and parameters monitored

Means of verification	<p>The following parameters are monitored in accordance with the registered PDD /01/. The only monitoring parameter is “Quantity of net electricity generation supplied by the project plant to the grid in year y (EG_{PJ,grid,y})” as per the registered monitoring plan presented in the registered PDD /01/. The parameter is monitored continuously as “kWh” by dedicated energy metres. The site has one main meter and one check meter for both the projects separately installed at PSS end (P–I: MM-RJB90188, CM-RJB90189) (P–II: MM-RJB90193, CM-RJB90194) and substation GSS end (P–I: MM-RJB90190, CM-RJB90191) (P–II: MM-RJB90195, CM-RJB90196). The measurement of import and export was done on the basis of meter readings of main meter and check meter installed at substation. The measurement was done on monthly basis by an NVVN authorised officer in the presence of a representative of PP. /03//</p> <p>The meters have the accuracy of 0.2s as confirmed through documents and calibration certificate /23/. The SEB/DISCOM officer of NTPC Vidyut Vyapar Nigam Ltd. is solely responsible for the computation of net electricity supplied to the grid. The amount of net power fed into the grid were verified by cross-</p>
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	<p>referencing the monthly bill or invoices /18/ submitted to NTPC by the project participant.</p> <p>According to the monitoring plan in the registered PDD /01/ and in the monitoring report, estimated $EG_{PJ,grid,y}$ and the following sustainability parameters (SDGs) are monitored.</p> <p>$EG_{facility,y}$ Quantity of net electricity supplied by the project plant/unit to the grid in year y (MWh) is 48,605.32 MWh starting from 01/01/2023 to 31/12/2023 and 01/01/2024 to 29/03/2024</p> <p>$EG_{facility,y} = 48,605.32$ MWh</p> <p>The detailed calculation is provided by PP in a spreadsheet/11/.</p> <p>Actual SDGs</p> <p>SDG 7 (7.2.1): Affordable and Clean Energy: 48,605.32 MWh MP total.</p> <p>SDG 8 (8.5.1): Employment development in the region and trainings provided)</p> <p>SDG 13 (13.2.1): Emission Reduction 47,521 tCO₂ for MP total.</p> <p>The parameters mentioned in this section have been monitored in accordance with the monitoring plan in the registered PDD /01/ and the monitoring report /03/.</p>
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 /01/.

E.6.3. Implementation of sampling plan

Means of verification	N/A
Findings	N/A
Conclusion	N/A

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

Means of verification	<p>Site in-charge is responsible for calibration and maintenance of the devices as per the registered PDD /01/. The project owner has no control on the meters since the meters are under purview of SEB/DISCOM officer NTPC (GSS). If any major discrepancy occurs between the two meters, NTPC Vidyut Vyapar Nigam Ltd. performs necessary calibration. During this monitoring the old meters are exchanged with new meters.</p> <p>The calibration of meter is done on 02/06/2019 for plant 01 as well as for plant 2 which was confirmed through the calibration certificate /23/. As per the MR ver. 02 of 02/08/2024 /03/, the calibration frequency of the meters is once in 5 years in accordance with the CEA guidelines /19/. The calibration of meters is deemed appropriate and in compliance with the national regulation.</p> <p>During remote site visit assessment, it was confirmed that the meters are in place and functions well.</p>
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 /01/.

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	<p>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.</p> <p>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.</p> <p>The baseline emission includes the CO₂ emission from electricity generation in fossil fuel fired power plants that are displaced due to the project activity, multiplying the electricity supplied to the grid (MWh) with the combined margin CO₂ emission factor for grid connected power generation in year.</p> $BE_y = EG_{\text{facility},y} * EF_{\text{grid,CM},y}$ <p>Where:</p> <p>BE_y - Baseline emissions in year y, (tCO_{2e}/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 project activity in year y (MWh/yr)</p> <p>EF_{grid,CM,y} - Combined margin CO₂ emission factor for grid connected power generation in year y</p> <p>Baseline emission for this monitoring period= 48605.32 MWh*0.9777 tCO_{2e}/MWh = 47,521 tCO_{2e}</p> <p>Calculation of EG_{PJ,y}</p> <p>The calculation of EG_{PJ,y} is different for</p> <ul style="list-style-type: none"> a) Greenfield plants, b) Retrofits and replacements, and c) Capacity additions <p>The project activity is the installation of solar projects, and it is a green field project. As per ACM0002 version 17.0 /10/ the project is greenfield so the formula in option (a) i.e., greenfield plants is used to calculate the value of EG_{PJ,y}. In accordance with para 41 of the applied methodology:</p> $EG_{PJ,y} = EG_{\text{facility},y}$ <p>Where:</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 project activity in year y (MWh/yr).</p> <p>EG_{facility,y}= Quantity of net electricity generation supplied by the project plant/unit to the grid in year y (MWh/yr).</p> <p>The Electricity export & import are monitored continuously and reported monthly in the Joint Meter Reding (JMR) provided by PP. The monthly reported export & import values as per Joint Meter Reding (JMR) and Net generation calculation are given below:</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr style="background-color: #e0e0e0;"> <th rowspan="2">Vintage</th> <th colspan="5">Baseline Value</th> </tr> <tr> <th>Net generation (MWh)</th> <th>Grid Emission Factor (tCO₂/MWh)</th> <th>Baseline emission (tCO₂)</th> <th>Project Emission (tCO₂)</th> <th>Emission Reduction (tCO₂)</th> </tr> </thead> <tbody> <tr> <td style="text-align: left;">2023</td> <td>38,923.20</td> <td>0.9777</td> <td>38.055</td> <td>0</td> <td>38,055</td> </tr> </tbody> </table>	Vintage	Baseline Value					Net generation (MWh)	Grid Emission Factor (tCO ₂ /MWh)	Baseline emission (tCO ₂)	Project Emission (tCO ₂)	Emission Reduction (tCO ₂)	2023	38,923.20	0.9777	38.055	0	38,055
Vintage	Baseline Value																	
	Net generation (MWh)	Grid Emission Factor (tCO ₂ /MWh)	Baseline emission (tCO ₂)	Project Emission (tCO ₂)	Emission Reduction (tCO ₂)													
2023	38,923.20	0.9777	38.055	0	38,055													

	2024	9,682.12	0.9777	9,466	0	9,466
	Total	48605.32	0.9777	47,521	0	47,521
Findings	NA					
Conclusion	RINA verified that the baseline emissions were calculated in accordance with the registered PDD /01/ and methodology ACM0002 Consolidated baseline methodology for grid-connected electricity from renewable sources” version 17 of 13/05/2016 /10/					

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 /10/ since the project is a renewable energy project as defined in the registered PDD /01/ and validation report /02/.
Findings	NA
Conclusion	RINA verified that the project emissions were assumed 0 in accordance with the registered PDD /01/ and methodology ACM0002 /10/.

E.8.3. Calculation of leakage GHG emissions

Means of verification	The leakage emissions are assumed to be zero as per the ACM0002 /10/ as defined in the registered PDD /01/. 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 /10/.

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

Means of verification	<p>According to the applied methodology “ACM0002”, “Consolidated baseline methodology for grid-connected electricity from renewable sources” /10/, the emission reductions have been calculated based on the following formula:</p> <p>Emission reductions are calculated as follows /11/:</p> <p>Emissions for the amount of electricity supplied by project activity, BE_y is calculated as</p> $BE_y = EG_{\text{facility},y} * EF_{\text{grid},CM,y}$ <p>Where:</p> <p>BE_y - Baseline emissions in year y, (tCO_{2e}/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 project activity in year y (MWh/yr)</p> <p>$EF_{\text{grid},CM,y}$ - Combined margin CO₂ emission factor for grid connected power generation in year y</p> <p>Baseline emission for this monitoring period= 48605.32 MWh*0.9777 tCO_{2e}/MWh = 47,521 tCO_{2e}</p>
Findings	NA
Conclusion	The emission reduction calculations provided in the spreadsheet /11/ have been verified to be correct and in line with the registered PDD /01/ and applied methodologies /10/.

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 /03/ is equivalent to 47,521 tCO ₂ e. The reported emission reductions are 9.53 % higher than the estimated emission reduction of 43,387 tCO ₂ for the period 01/01/2023 to 29/03/2024 (454 days) as per the registered PDD /01/ due to variation in climatic conditions and the availability of sunlight than expected. The calculation is verified through calculation spreadsheet /11/.
Findings	NA
Conclusion	The actual emission reduction is higher than the estimated reduction given in the registered PDD /01/ and in ER /11/ provided by PP. 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 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 is equivalent to 47,521 tCO ₂ e. The reported emission reductions are 9.53 % higher than the estimated emission reduction of 43,387 tCO ₂ for the period 01/01/2023 to 29/03/2024 (454 days) as per the registered PDD /01/ due to variation in climatic conditions and the availability of sunlight than expected. The calculation is verified through calculation spreadsheet /11/.
Findings	NA
Conclusion	The actual emission reduction is higher than the estimated reduction given in the registered PDD /01/ in ER /11/ provided by PP. 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 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 is equivalent to 47,521 tCO ₂ e. The reported emission reductions are 9.53 % higher than the estimated emission reduction of 43,387 tCO ₂ for the period 01/01/2023 to 29/03/2024 (454 days) as per the registered PDD /01/ due to variation in climatic conditions and the availability of sunlight than expected. The calculation is verified through calculation spreadsheet /11/.
Findings	NA
Conclusion	The actual emission reduction is higher than the estimated reduction given in the registered PDD /01/ in ER /11/ provided by PP. 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 than expected.

E.8.8. Assessment of the sustainability parameters

Means of verification	The assessment of the monitored parameters is described in the tables below:		
	Data variable	Source of Data	Reported value for the project period

	Climate Action (SDG 13) Amount of CO ₂ emission	Electricity Generation Calculation Spreadsheet /11/	Emission reduction: 47,521 tCO ₂ e
	Assessment		
	<u>Amount of CO₂ emissions:</u> The electricity export and import are monitored continuously and reported monthly in Joint Meter Reading (JMR) provided by Discom. 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	Certificates and attendance list of the trainings. /21/	Employees participated to the trainings. Total number of 12 trainings are conducted in the current monitoring period. Out of these 12 trainings 09 were conducted during 01/01/2023 to 31/12/2023 and 03 trainings were conducted in duration of 01/01/2024 to 29/03/2024.
	Assessment		
	<u>Trainings:</u> The parameter is monitored on a monitoring period base by checking the certificates and attendance lists of the trainings. All the trainings details /21/ are provided to the verification team and the details are presented in the MR appendix 02./03/		
	Data variable	Source of Data	Reported value for the project period
	Quantity of net electricity generation supplied by the project plant to the grid in year y (SDG 7) Balance of Payments and Investment (SDG 7) Avoided fossil fuels	Electricity meters Electricity Generation and Calculation /11/	48,605.32 MWh net electricity generation for MP.
	Assessment		
<u>EG_{facility,y}:</u> This parameter is monitored by electricity meters and in this monitoring period totally 48,605.32 MWh is measured /11/ and calculated for the net electricity generation.			
Data variable	Source of Data	Reported value for the project period	

	<p>Quantitative Employment and Income Generation (SDG 8) Number of employees and Rate of local people as employees</p>	<p>Training records /21/, contract register /24/ and, salary slip of the employees /26/</p>	<p>Total number of employments are 34 out of which 06 are permanent and 28 are temporary, working in the project. The numbers were also cross checked through document provided by PP /03//21//26/. Total 12 trainings were conducted during this monitoring period as given in MR Ver. 02 of 02/08/2024 /03//21/</p>
	<p>Assessment</p>		
	<p><u><i>Employment Contracts and Rate of Local People:</i></u> This parameter is monitored on each verification by the Registration Document of employees. It was confirmed that total 34 employees for project, and it is confirmed by the salary slip of the employees. The data for the training was verified through the attendance register /21//26/.</p> <p>Safeguards</p> <p>Principle 4.3.4 Release of Pollutants</p> <p>The emission reduction achieved due to implementation of the solar power plant is monitored once during the each monitoring period. The monitoring of parameter has been implemented in accordance with the registered monitoring plan. The value is calculated in line with the procedure as described under the registered PDD.</p>		
Findings	NA		
Conclusion	RINA verified that the GS indicators described in the monitoring report /03/ 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.		

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 F. Verification opinion

RINA Services Spa (RINA) has performed verification of the emission reductions reported for the project activity 20 MW Solar Project in Sanwreej, Jodhpur, Rajasthan, GS Registration Reference No. 5575 for the period 01/01/2023 to 29/03/2024 (Both days included), with regard to the relevant GS requirements and principles. The project participants 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 G. Certification statement

It is RINA's opinion that the GHG emission reductions stated in the monitoring report version 02 of 02/08/2024 for the project activity 20 MW Solar Project in Sanwreej, Jodhpur, Rajasthan in India, for the period 01/01/2023 to 29/03/2024 (Both days included) are fairly stated. The GHG emission reductions were calculated correctly on the basis of the approved monitoring methodology ACM0002 version 17. Hence RINA is able to certify that the emission reductions from the project during the monitoring period 01/01/2023 to 29/03/2024 amount to 47,521 tCO₂e.

Appendix 1. Abbreviations

Abbreviations	Full texts
BE	Baseline Emissions
CAR	Corrective Action Request
CDM	Clean Development Mechanism
CL	Clarification Request
CO ₂	Carbon dioxide
CO ₂ e	Carbon dioxide equivalent
VVB	Validation Verification Body
ER	Emission Reductions
FAR	Forward Action Request
GCC	Global Carbon Council
GHG(s)	Greenhouse gas (es)
GS	Gold Standard
GS4GG	Gold Standard for Global Goals
IPCC	Intergovernmental Panel on Climate Change
MR	Monitoring Report
PDD	Project Design Document
PE	Project Emission
PP(s)	Project Participant (s)
REC	Renewable Energy Certificate
Ref.	Document Reference
RINA	RINA Services Spa
VVB	Validation and Verification Body
CL	Clarification Request
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

Appendix 2. Competence of team members and technical reviewers



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

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
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

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.

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	quale 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

**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:

Thais De Lima Carvalho

è qualificato come:
is qualified as:

TEC, VAL, VER, TL, ITRP

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

AREE TECNICHE <i>TECHNICAL AREAS</i>	DESCRIZIONE DELL'AREA TECNICA <i>TECHNICAL AREA DESCRIPTION</i>	SCOPO SETTORIALE <i>SECTORAL SCOPE</i>
1.1	Thermal energy generation	1
1.2	Renewables	1
2.1	Electricity distribution	2
13.1	Solid waste and wastewater	13

REVISIONE <i>REVISION</i>	DATA <i>DATE</i>	MOTIVAZIONI PER LA REVISIONE <i>REASON FOR THE REVISION</i>
0	19/07/2016	First issue with new template (this certificate is linked to CDM qualification)

Responsabile di schema
Scheme Leader
Rita Valoroso



*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.

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

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UNFCCC	quale 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

Appendix 3. Documents reviewed or referenced

No.	Author	Title	References to the document	Provider
1.	Infinite Environmental Solutions Limited	PDD for “20 MW Solar Project in Sanwreej, Jodhpur, Rajasthan”	Version 7 of 13/10/2020	Project participant
2.	LGAI Technological Centre, S.A. (Applus Certification)	Validation Report for “20 MW Solar Project in Sanwreej, Jodhpur, Rajasthan” A+SH_SYST_TQC_004616-GS	Version 2.0 issued on 28/02/2018	Project participant
3.	Infinite Environmental Solutions Limited	GS Monitoring Report for “20 MW Solar Project in Sanwreej, Jodhpur, Rajasthan”	Version 01 of 06/06/2024 Version 02 of 02/08/2024 Version 03 of 28/01/2025	Project participant
4.	VKU Certification Pvt. Ltd.	GS4GG Validation Certification report (VKU.VAL.04.23_GS_5575)	Version 02 of 13/03/2024	Publicly available
5.	VKU Certification Pvt. Ltd.	GS4GG Verification Certification report (3 rd monitoring period) (VKU.VER>01.23_GS_5575)	Version 02 of 03/03/2024	Publicly available
6.	ESPL	GS4GG Verification Certification report (2 nd monitoring period) (GS.VER.20.17)	Version 03 of 16/08/2021	Publicly available
7.	Gold Standard Foundation	Gold Standard for Global Goals Principles & Requirements	Version 1.2 of 23/10/2019	Publicly available
8.	Gold Standard Foundation	Gold Standard for Global Goals Validation/Verification Body Requirements	Version 1.0 of 01/08/2022	Publicly available
9.	CDM Executive Board	Clean Development Mechanism Validation and Verification Standard	Version 03.0 of 09/09/2021	Publicly available
10.	CDM Executive Board	Baseline and monitoring methodology “ACM0002” “Consolidated baseline methodology for grid-connected electricity from renewable sources”	Version 17.0 of 13/05/2016	Publicly available
11.	20 MW Solar Project in Sanwreej,	Emission Reduction Calculation Spreadsheet “ER_Calculations_20 MW Solar Project in Sanwreej, Jodhpur, Rajasthan”	Version 01 of 06/06/2024 Version 02 of 02/08/2024	Project participant

	Jodhpur, Rajasthan		Version 03 of 28/01/2025													
12.	Gold Standard Foundation	Gold standard for the global goals Monitoring Report Template	Version 1.1 of 14/10/2020	Publicly available												
13.	CDM Executive Board	Methodological Tool “Tool to calculate the emission factor for an electricity system”	Version 07.0 of 31/08/2018	Publicly available												
14.	CDM Executive Board	Methodological Tool “Tool for the demonstration and assessment of additionality”	Version 07.0 of 23/11/2012	Publicly available												
15.	JWEPL	Commissioning certificate	---	Project participant												
16.	JWEPL	Photographs of the project site		Project Participant												
17.	JWEPL	Monthly Generation Records	From 01/01/2023 – 29/03/2024	Project participant												
18.	Solar Energy Corporation of India Limited	Monthly Electricity Records/bills within the Monitoring Period	From 01/01/2023 – 29/03/2024	Project participant												
19.	Energy Market Regulatory Authority	Regulation of Metering and Testing of Metering Systems	Date of 24/07/1994	Publicly available												
20.	20 MW Solar Project in Sanwreej, Jodhpur, Rajasthan	Logbook	---	Project Participant												
21.	20 MW Solar Project in Sanwreej, Jodhpur, Rajasthan	Training for all Employees	01/08/2023 to 29/03/2024	Project participant												
22.	GS4GG	Design Review under Gold Standard for the Global Goals	---	Project participant												
23.	Darsh Calibrations Pvt. Ltd.	Meter Calibration	---	Project participant												
		<table border="1"> <thead> <tr> <th>Details</th> <th>Serial No.</th> <th>Calibrati on Date</th> <th>Calibration validity¹</th> </tr> </thead> <tbody> <tr> <td>Main Meter (Plant End)</td> <td>RJB90188</td> <td>02/06/20 19</td> <td>01/06/2024</td> </tr> <tr> <td>Check Meter (Plant End)</td> <td>RJB90189</td> <td>02/06/20 19</td> <td>01/06/2024</td> </tr> </tbody> </table>			Details	Serial No.	Calibrati on Date	Calibration validity ¹	Main Meter (Plant End)	RJB90188	02/06/20 19	01/06/2024	Check Meter (Plant End)	RJB90189	02/06/20 19	01/06/2024
Details		Serial No.			Calibrati on Date	Calibration validity ¹										
Main Meter (Plant End)	RJB90188	02/06/20 19	01/06/2024													
Check Meter (Plant End)	RJB90189	02/06/20 19	01/06/2024													

¹ As per registered PDD & CEA guideline the calibration frequency is once in 5 years however DISCOM is carrying out calibration once in a year which is not under the control of PP.

		Main Meter (GSS End)	RJB90190	02/06/2019	01/06/2024		
		Check Meter (GSS End)	RJB90191	02/06/2019	01/06/2024		
		Main Meter (Plant End)	RJB90193	02/06/2019	01/06/2024		
		Check Meter (Plant End)	RJB90194	02/06/2019	01/06/2024		
		Main Meter (GSS End)	RJB90195	02/06/2019	01/06/2024		
		Check Meter (GSS End)	RJB90196	02/06/2019	01/06/2024		
24.	20 MW Solar Project in Sanwreej, Jodhpur, Rajasthan	Contract register				---	Project participant
25.	20 MW Solar Project in Sanwreej, Jodhpur, Rajasthan	Solar slips				---	Project participant
26.	Project Owner	Salary Slip				Period 01/01/2023 to 29/03/2024	Project participant
27.	VERRA	https://registry.verra.org/				Accessed on 05/06/2024	VERRA Registry
28.	GCC	https://www.globalcarboncouncil.com/how-gcc-works/carbon-registry/				Accessed on 05/06/2024	GCC registry
29.		chrome-Site Visit and Remote Audit Requirements (extension://efaidnbmnmbpcajpcglclefindmkaj/https://globalgoals.goldstandard.org/standards/112_V2.0_PAR_Site-Visit-and-Remote-Audit-Requirements.pdf)				Version 02 of 30/05/2023	Publicly Available
30.	CDM Executive Board	Tool for the demonstration and assessment of additionality (Tool 1)				Version 7 of 23/11/2012	Publicly available
31.	CDM Executive Board	Tool to calculate the emission factor for an electricity (Tool 7)				Version 5 of 17/11/2015	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	NA	Section no.		Date: xx/xx/xxxx
Description of FAR				
Not applicable				
Project participant response				Date : xx/xx/xxxx
Documentation provided by project participant				
VVB assessment				Date: xx/xx/xxxx

Table 2. CR from this verification

CR ID	01	Section no.	Key Project Information	Date: 16/07/2024
Description of CR				
PP has been formally requested to provide the most current version of the Project Design Document (PDD), which has been referenced in the latest Monitoring Report (MR). Specifically, the version mentioned in the MR is identified as version 07. However, it is important to note that the most up-to-date version recorded in the GS registry is version 03.				
Project participant response				Date : 02/08/2024
The latest version of PDD is referred and same is mentioned in MR i.e., version 07 as it is the latest one and the same has been submitted to VVB.				
Documentation provided by project participant				
PDD version 7.0				
VVB assessment				Date: 16/08/2024
PP has submitted the documented proof in the favour of the raised CR. The document proof has been examined and hence CR 01 is closed.				

CR ID	02	Section no.	E.2	Date : 16/07/2024
Description of CR				
PP is required to furnish a comprehensive and thorough justification for the observed deviation in the methodology that has been implemented in the current Monitoring Report (MR). This deviation stands in contrast to the methodology that was outlined and registered in the Project Design Document (PDD), specifically in version 03.				
Project participant response				Date : 02/08/2024
The methodology mentioned in the MR i.e., ACM0002 version 17.0 is aligned with the PDD version 7.0, which is the latest and applicable version for the current monitoring period. Additionally, the registered PDD version 03 on the GS registry is not final one. Also, the latest PDD version 7.0 has been provided as supporting documentation.				
Documentation provided by project participant				
PDD version 7.0				
VVB assessment				Date: 16/08/2024

PP has submitted the documented proof in the favour of the raised CR. The document proof has been examined and hence CR 02 is closed.

CR ID	03	Section no.	A3: reference of applied methodology	Date: 16/07/2024
Description of CR				
The Project Proponent (PP) is hereby requested to provide a comprehensive clarification and justification for the decision to utilize tools 7 and 1, specifically versions 05 and 07, respectively. This usage represents a notable deviation from the Project Design Document (PDD) that has been officially registered, which is indicated as version 03.				
Project participant response				Date: 02/08/2024
The tools mentioned in the Monitoring Report i.e., tools 7 & 1 (both of version 05 and 07 respectively) are aligned with the PDD version 7.0, which is the latest and applicable version for the current monitoring period. Additionally, the registered PDD version 03 on the GS registry is not final version and the latest PDD version 7.0 has been provided as supporting documentation.				
Documentation provided by project participant				
PDD version 7.0				
VVB assessment				Date: 16/08/2024
PP has shared the documented proof against the raised CR. The document proof has been examined and hence CR 03 is closed.				

CR ID	04	Section no.	E.5	Date: 16/07/2024
Description of CR				
SDG 13: Climate Action:				
<ul style="list-style-type: none"> The value of emission reductions documented in the table for the current monitoring period shows a notable inconsistency when compared to the figures reported in the emission reduction (ER) sheet. Every instance where this inconsistency appears must be corrected to maintain coherence and integrity in the reporting process. Furthermore, the parameter value stated in Section E.5 of the monitoring report (MR) does not align with the calculations found in the emission reduction calculation sheet that has been provided by the project proponent (PP). 				
Project participant response				Date: 02/08/2024
For SDG 13: Climate Action:				
<ul style="list-style-type: none"> The values of emission reductions achieved in the current monitoring period has been revised and made corrected throughout the MR and made in line with the ER sheet. The value of parameter under section E.5 of MR is made consistent with the ER sheet. 				
Documentation provided by project participant				
Revised MR version 02				
Revised ER sheet version 02				
VVB assessment				Date: 16/08/2024
PP has shared the revised MR and updated the value throughout the report and also updated in ER sheet. Hence CR 04 is closed.				

CR ID	05	Section no.	SDG Indicator 13.2	Date: 16/07/2024
Description of CR				

SDG 8: Decent Work and Economic Growth:	
<ul style="list-style-type: none"> • It is requested that you submit comprehensive training records along with the feedback forms collected from employers. This documentation should include a detailed account of all training sessions conducted. • Please provide the employment records for the current monitoring period. • Please provide a detailed explanation regarding the lack of initiatives undertaken by the Project Developer aimed at enhancing both the human and institutional capacity of local stakeholders during the ongoing monitoring period. 	
Project participant response	Date: 02/08/2024
<ul style="list-style-type: none"> • The training records and feedback forms from employees has been provided as supporting in reference of training details. • The employment records for the current monitoring period have been submitted. • The parameter to enhance the human and institutional capacity of the local stakeholders in the current monitoring period has not been taken as not mentioned in the registered PDD version 7.0 and is made consistent with it and in line with the approved transition report. 	
Documentation provided by project participant	
Training records Employment records Transition document PDD version 7.0	
VVB assessment	Date: 16/08/2024
PP has submitted the documented against the raised CR 05, hence the CR is closed.	

CR ID	06	Section no.	D.2.	Date: 16/07/2024
Description of CR				
PP is requested to supply a comprehensive clarification regarding the observed deviation of the annual emission reduction (ER) figures for the current monitoring period when compared to the values established in the registered Project Design Document (PDD).				
Project participant response				Date: 02/08/2024
In the registered PDD, the estimated values are assumed during registration process but during performance review the actual values are taken as per the actual scenario which includes variations in the climatic conditions and not under the control of PD and the same has been mentioned. Therefore, there is deviation of annual ER in the current monitoring period from the registered PDD. Moreover, the values provided for SDG 13 in the current monitoring period fulfils the estimated number that was mentioned at the time of registration. Also, the supporting for the same has been submitted.				
Documentation provided by project participant				
Registered PDD version 7.0 Revised MR version 02 Revised ER sheet version 02				
VVB assessment				Date: 16/08/2024
The explanation against raised CR 06 has been provided by PP. Hence, CR 06 is found closed.				

CR ID	07	Section no.	D.1.	Date: 16/07/2024
Description of CR				

PP is requested to give a detailed explanation regarding the specific values utilized in the calculations for emission reductions that have been derived from the registered Project Design Document (PDD). This request seeks to ensure clarity on the methodologies and parameters that were employed in these calculations. Additionally, PP is expected to provide a reference to the source of the data that was used in utilizing these values.	
Project participant response	Date: 02/08/2024
The values used for emission reduction calculation is as per the registered PDD version 7.0 and the same has also been mentioned in the correction section B.2.2 and the supporting weblinks for the same attached in the footnote.	
Documentation provided by project participant	
PDD version 7.0 Revised MR version 02	
VVB assessment	Date: 16/08/2024
PP has submitted the documented against the raised CR 07, hence the CR is closed.	

CR ID	08	Section no.	D.1.	Date: 16/07/2024
Description of CR				
Please provide confirmation from GS regarding the status of the CM tool that was available during the initial validation process. Specifically, it is important to establish whether this earlier version of the CM can still be utilized effectively, even though a more recent version has been released as of the date of the design change.				
Project participant response				Date: 02/08/2024
The value of CM available at the initial validation, as specified in the registered PDD version 7.0, is used for the current monitoring period. Also, as per tool 07 version 7.0 para 87 it is clearly mentioned that “The values for $W_{OM} + W_{BM}$ applied by project participants should be fixed for a crediting period and may be revised at the renewal of the crediting period.” Therefore, the value of CM remains the same as in the registered PDD version 7.0, which is 0.9777.				
Documentation provided by project participant				
PDD version 7.0				
VVB assessment				Date: 16/08/2024
PP has submitted the documented proof in the favour of the raised CR. The document proof has been examined and hence CR 08 is closed.				

Table 3. CAR from this verification

CAR ID	01	Section no.	Section E2	Date: 16/07/2024
Description of CAR				
Please verify the total number of employees that have been reported in the monitoring report. There appears to be a discrepancy in the figures presented; specifically, some sections of the report indicate that the total number of employees is 34. However, in Section E.2 of the same document, the figure is stated as 25.				
Project participant response				Date: 02/08/2024
In actual the total no. of employees is 34 in the current monitoring period and the same has been revised in section E.2 of the revised MR and made consistent throughout the MR.				
Documentation provided by project participant				
Employment records Revised MR version 02				
VVB assessment				Date: 16/08/2024
PP has provided the revised MR against raised CAR 01. Hence CAR is closed.				

CAR ID	02	Section no.	Key project Information	Date: 16/07/2024
Description of CAR				
According to the information outlined in the registered PDD and the previous versions of the MRs, the entity representing the project was identified as Infinite Environmental Solutions LLP. However, the recent version refers to it as a Limited Company. Please provide a justification for this change."				
Project participant response				Date: 02/08/2024
As per the registered PDD and previous MR the project representative name is Infinite Environmental Solutions LLP but now it has been a Limited company i.e., Infinite Environmental Solutions Limited and the same has been mentioned in footnote of the revised monitoring report.				
Documentation provided by project participant				
VVB assessment				Date: 16/08/2024
The explanation of the same has provided by PP, hence CAR 02 is closed.				

Remaining FAR from validation and/or previous verification

FAR ID	NA	Section no.		Date: xx/xx/xxxx
Description of FAR				
Project participant response				Date : xx/xx/xxxx
Documentation provided by project participant				
VVB assessment				Date: xx/xx/xxxx

Document information

<i>Version</i>	<i>Date</i>	<i>Description</i>
01.0	10/06/2016	Initial publication.