


Project Verification Report

2021

COVER PAGE	
Project Verification Report Form (VR)	
BASIC INFORMATION	
Name of approved UCR Project Verifier / Reference No.	Enviance Services Private Limited
Type of Accreditation	<input type="checkbox"/> CDM or other GHG Accreditation <input checked="" type="checkbox"/> ISO 14065 Accreditation
Approved UCR Scopes and GHG Sectoral scopes for Project Verification	01 Energy industries (Renewable/Non-Renewable Sources)
Validity of UCR approval of Verifier	December 2023
Completion date of this VR	02/05/2024
Title of the project activity	Negative Carbon by AXS: 13.5 MW Solar Power Project in Brazil
Project reference no. (as provided by UCR Program)	331
Name of Entity requesting verification service (can be Project Owners themselves or any Entity having authorization of Project Owners, example aggregator.)	UCR ID – 331 Kosher Climate India Private Limited Name: Narendra Kumar Email ID – narendra@kosherclimate.com
Contact details of the representative of the Entity, requesting verification service (Focal Point assigned for all communications)	UCR ID – 331 Kosher Climate India Private Limited Name: Narendra Kumar Email ID – narendra@kosherclimate.com
Country where project is located	Brazil
Applied methodologies (approved methodologies by UCR Standard used)	Applied Baseline Methodology: AMS-I.D.: “Grid connected renewable electricity generation”, version 18.0

	Standardized Methodology: Not Applicable
GHG Sectoral scopes linked to the applied methodologies	01 Energy industries (Renewable/Non-Renewable Sources)
Project Verification Criteria: Mandatory requirements to be assessed	<input checked="" type="checkbox"/> UCR Standard <input checked="" type="checkbox"/> Applicable Approved Methodology <input checked="" type="checkbox"/> Applicable Legal requirements /rules of host country <input checked="" type="checkbox"/> Eligibility of the Project Type <input checked="" type="checkbox"/> Start date of the Project activity <input checked="" type="checkbox"/> Meet applicability conditions in the applied methodology <input checked="" type="checkbox"/> Credible Baseline <input checked="" type="checkbox"/> Do No Harm Test <input checked="" type="checkbox"/> Emission Reduction calculations <input checked="" type="checkbox"/> Monitoring Report <input checked="" type="checkbox"/> No GHG Double Counting <input type="checkbox"/> Others (please mention below)
Project Verification Criteria: Optional requirements to be assessed	<input type="checkbox"/> Environmental Safeguards Standard and do-no-harm criteria <input type="checkbox"/> Social Safeguards Standard do-no-harm criteria
Project Verifier's Confirmation: The <i>UCR Project Verifier</i> has verified the UCR project activity and therefore confirms the following:	The UCR Project Verifier <i>Enviance Services Private Limited</i> , certifies the following with respect to the UCR Project Activity <i>[Negative Carbon by AXS: 13.5 MW Solar Power Project</i>

	<p>in Brazil].</p> <p><input checked="" type="checkbox"/> The Project Owner has correctly described the Project Activity in the Project Concept Note version 3 (dated 22/03/2024) including the applicability of the approved methodology [AMS-1. D – Grid Connected Renewable Electricity Generation V.18.0] and meets the methodology applicability conditions and has achieved the estimated GHG emission reductions, complies with the monitoring methodology and has calculated emission reductions estimates correctly and conservatively.</p> <p><input checked="" type="checkbox"/> The Project Activity is likely to generate GHG emission reductions amounting to the estimated [9819.74] TCO_{2e}, as indicated in the PCN version 3, which are additional to the reductions that are likely to occur in absence of the Project Activity and complies with all applicable UCR rules, including ISO 14064-2 and ISO 14064-3.</p> <p><input checked="" type="checkbox"/> The Project Activity is not likely to cause any net-harm to the environment and/or society</p> <p><input checked="" type="checkbox"/> The Project Activity complies with all the applicable UCR rules¹ and therefore</p>
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	recommends UCR Program to register the Project activity with above mentioned labels.
Project Verification Report, reference number and date of approval	<p>Verification Report</p> <p>UCR Reference number: 331</p> <p>Date of approval 02/05/2024</p>
Name of the authorised personnel of UCR Project Verifier and his/her signature with date	<p>Ms. Vidhya Murali Krishna</p>  <p>20/05/2024</p> <p>Enviance Services Private Limited</p>

PROJECT VERIFICATION REPORT

Executive summary

>> The project **Negative Carbon by AXS: 13.5 MW Solar Power Project in Brazil** consists of several project activities installed in Brazil, located in the state of Minas Gerais, at the villages São Gonçalo do Sapucaí, Passos, Carmo Do Paranaíba, and Itatiaiuçu. The promoter of the project is AXS ENERGIA S/A, a company which has the full ownership of the project activity.

The purpose of the project activity is to generate electricity by harnessing the solar energy, making use of solar photovoltaic technology. The proposed project activity involves installation of Solar photovoltaic power generation projects at different locations, with a total capacity of 13.5 MW.

The project activity has been essentially conceived to generate clean energy by utilizing the solar energy. It causes total minimum environmental impacts and in turn will lead to actual emission reduction of 8665 tCO₂ over the entire monitoring period.

Total cumulative installed capacity of the project would be 13.5 MW with a total gross energy generation of 31,058 MWh. The Small-Scale solar power projects developed by AXS ENERGIA S/A, will deliver electricity to the buyer, through Brazilian National transmission network.

The details of

Project Activity	Power Plant Name	Village/State	Energy Source	Installed capacity in MW	Annual generation in MWh/year	Emission Reduction tCO _{2eq}	Commissioning date
1	Paulo Valias	São Gonçalo do Sapucaí (MG)	Solar PV	2.5	9688.1	2702.97	25/03/2022
2	Harmonia I	Passos (MG)	Solar PV	2.5	6467.3	1804.37	24/06/2022
3	Harmonia II	Passos (MG)	Solar PV	1.5	3876.5	1081.54	12/07/2022
4	Boa Vista I	Carmo Do Paranaíba (MG)	Solar PV	2.5	4020.8	1121.80	11/01/2023
5	Boa Vista II	Carmo Do Paranaíba (MG)	Solar PV	2.5	3963.9	1105.92	20/12/2022
6	Itatiaiuçu	Itatiaiuçu (MG)	Solar PV	2.0	3041.5	848.57	31/03/2023

Having each power plant an installed capacity equal or under 5 MW, they are classified as *mini-generation* units under the *electricity compensation system* regulated by Brazil's ANEEL (National Electric Energy Agency), in accordance with normative resolutions n. 482/2012, n. 687/2015, and federal law n. 14.300/2022. Under the electricity compensation system, the active energy injected by a consumer unit with distributed mini-generation is transferred, through a free loan, to the local distributor and then subsequently compensated with consumption offsetting.

By installing solar plants to offset the consumption of businesses, Project Owner is able to provide them with energy from the Solar Plants within the energy compensation scheme: the generated electricity is injected into the national grid, whereas customers receive credits that are offset in their monthly energy bill. Therefore, the project activity has the purpose of contributing to the transformation of the Brazilian energy matrix through the economic incentives of a clean, renewable, and also cheaper energy source.

The electricity produced by the project is directly contributing to climate change mitigation by reducing the anthropogenic emissions of greenhouse gases into the atmosphere by displacing an equivalent amount of power at grid.

Since the project activity will generate electricity through solar energy, a clean renewable energy source, it will not cause any negative impact on the environment and thereby contributes to climate change mitigation efforts.

Scope of Verification

The scope of the services for the project is to perform Project Verification of concerned Project Activity. The scope of verification is to assess the claims and assumptions made in the Project Concept Note (PCN) and Monitoring Report (MR) against the UCR criteria, including but not limited to, UCR program verification guidance document, UCR Standard, UCR Program Manual, and related rules and guidelines established under Program process.

Verification Process and Methodology

The verification process was undertaken by a competent verification team and involved the following,

- Desk review of documents and evidence submitted in context of the reference rules and guidelines issued by UCR,
- Undertaking/conducting site visit/remote audit, interview or interactions with the representative of the project owners/representatives,
- Reporting audit findings with respect to clarifications and non-conformities and the closure of the findings, as appropriate and Preparing a draft verification opinion based on the auditing findings and conclusions
- Finalization of the verification opinion (this report)

Desk/Document review

A detailed desk review of the PCN, MR, Methodology and all other associated documentation and references took place in advance of the site visit, and additional documents that were not available for the desk review were requested for review during the site visit. Additional information can be required to complete the verification, which may be obtained from other public and reliable sources or through telephone and face to face interviews with key stakeholders (including the project developers and where necessary, Government and NGO representatives in the host country).

A list of all documents reviewed or referred to in the course of this verification is included in Appendix 3 below.

Follow up interviews/site visit

The verifier conducted remote audit and had requested for site photographs, short videos. A remote interview were conducted with the project owners and stakeholders.

Conclusion

Based on the work performed, the verifier concludes that the “: Negative Carbon by AXS: 13.5 MW Solar Power Project in Brazil” the information and data presented in the MR version 3 dated 22/03/2024 is in line with the Project Concept Note Version 3 dated 22/03/2024 and meets all relevant requirements of the UCR for UCR project activities. The UCR project activity correctly applies the methodology “AMS.I.D. – Grid connected renewable electricity generation” Version 18.0, leading to result in real, measurable and long-term emission reductions achieved for the current monitoring period.

For the current monitoring period, verified emission reductions achieved by the project activity were as below;

Start date of monitoring period	25/03/2022
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End date of monitoring period	31/12/2023
Emission reductions achieved	8665 tCO ₂ eq

Project Verification team, technical reviewer and approver

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Project Verification team

No.	Role	Last name	First name	Affiliation (e.g. name of central or other office of UCR Project Verifier or outsourced entity)	Involvement in		
					Document review	Off-Site inspection	Interviews
1.	Team Leader	Takarkhede	Atul	Freelancer	Yes	Yes	Yes
2.	V-V Trainee / Technical Expert in Trainee	Jain	Vipul	Enviance Services Private Limited	Yes	Yes	Yes

Technical reviewer and approver of the Project Verification report

No.	Role	Type of resource	Last name	First name	Affiliation (e.g. name of central or other office of UCR Project Verifier or outsourced entity)
1.	Technical reviewer	Internal	Kumar	Pankaj	Enviance Services Private Limited

Means of Project Verification

Desk/document review

>> A detailed desk review of the PCN, MR, methodology and all other associated documentation and references took place in advance of the remote audit, and additional documents that were not available for the desk review were requested for review during the remote audit. Additional information can be required to complete the verification, which may be obtained from other public and reliable sources or through telephone and face-to face interviews with key stakeholders (including the project developers and where necessary, Government and NGO representatives in the host country).

A list of all documents reviewed or referred to in the course of this verification is included in Appendix 3 below.

Off-site inspection

Date of offsite inspection:			
No.	Activity performed Off-Site	Site location	Date

1.	<ul style="list-style-type: none"> a) An assessment of the implementation and operation of the project activity as per the PCN and UCR requirements b) Verification of the project design, as documented is sound and reasonable, and meets the identified criteria of UCR Standard Requirements and associated guidance c) Assessment to conformance with the certification criteria as laid out in the UCR Standards; d) Evaluation of the conformance with the certification scope, including the GHG project and baseline scenarios, additionality; GHG sources, sinks, and reservoirs; and the physical infrastructure, activities, technologies and processes of the GHG project to the requirements of the UCR; e) Evaluation of the calculation of GHG emissions, including the correctness and transparency of formulae and factors used; assumptions related to estimating GHG emission reductions; and 	<p>São Gonçalo do Sapucaí, Passos, Carmo Do Paranaíba, and Itatiaiuçu in Minas Gerais state, Brazil</p>	24/01/2024
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	<p>uncertainties; and determination whether the project could reasonably be expected to achieve the estimated GHG reduction/removals.</p> <p>f) Review of information flows for generating, aggregating and reporting of the parameters to be monitored</p> <p>g) To confirm that the operational and data collection procedures can be implemented in accordance with the Monitoring Plan</p> <p>h) Cross -check of information provided in the submitted documents and data from other sources available at site</p> <p>i) Review of calculations and assumptions made in determining the GHG data and estimated ERs, and an identification of QA/QC procedures in place to prevent, or identify and correct, any errors or omissions in the reported monitoring parameters</p> <p>j) Interviews of local Stakeholders</p>		
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Interviews

No.	Interview			Date	Subject
	Last name	First name	Affiliation		
1.	Kumar	Narendra	Kosher Climate	24/01/2024	Project Implementation, Monitoring plan, Project Boundary, Eligibility criteria, Host country requirements, Emission reduction calculations Project implementation, monitoring, Local stakeholder consultation
2.	K	Radhika	Kosher Climate		
3.	Zanchetta	Paula	Kosher Climate		
4.	Barbi	Jorge	Kosher Climate		
5.	Andrade	Larissa	Kosher Climate		
6.	Silva	Gomes	Local Stakeholder		
7.	Barbosa	Domingos	Local Stakeholder		
8.	Batista	Bueno	Local Stakeholder		
9.	Oliveira	Barbosa	Local Stakeholder		

Sampling approach

Not applicable.

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

Areas of Project Verification findings	No. of CL	No. of CAR	No. of FAR
Green House Gas (GHG)			
Identification and Eligibility of project type	-	-	-
General description of project activity	05	01	-
Application and selection of methodologies and standardized baselines	-	-	-
- Application of methodologies and standardized baselines	-	-	-
- Deviation from methodology and/or methodological tool	-	-	-
- Clarification on applicability of methodology, tool and/or standardized baseline	-	-	-
- Project boundary, sources and GHGs	-	-	-
- Baseline scenario	-	-	-
- Estimation of emission reductions or net anthropogenic removals	04	02	-
- Monitoring Report	01	-	-
Start date, crediting period and duration	-	02	-
Environmental impacts	-	-	-
Project Owner- Identification and communication	-	-	-
Others (supporting documents)	04	-	-
Total	14	05	-

Project Verification findings

Identification and eligibility of project type

Means of Project Verification	<p>The project has a 13.5 MW total installed capacity and hence is qualifies as a small-scale project. This is confirmed based on the commissioning certificates and technical specifications.</p> <p>Since the project is a small-scale project, it has applied approved CDM small scale methodology AMS I.D, version 18.0 – Grid connected renewable energy generation.</p> <p>The Project owner has used valid MR form available at the UCR website for the preparation of MR for the current project activity. The project has prepared MR in line with UCR guidance and requirements.</p>
Findings	No findings raised
Conclusion	<p>The UCR-approved format is used for description and the project meets the requirement of the UCR verification standard and UCR project standard. UCR project communication agreement was submitted to the verifier and the same has been verified. Methodology referenced and applied appropriately describing the project type. The eligibility of the project aggregator is verified using the UCR communication agreement, Project correctly applies the verification standard, UCR project standard, and UCR regulations. The project activity is overall meeting the requirements of the UCR Verification standard and UCR project standard</p>

General description of project activity

Means of Project Verification	<p>The project activity involves the operation of a 13.5 MW of small-scale solar power project and its commissioning date was verified through the commissioning certificate of the project. The power evacuation at the substation is confirmed by the power purchase agreement which is known as power rental agreement in this project.</p> <p>Assessment team conducted documentation review of the PCN against the UCR program verification standard version 2.0 and UCR project eligibility criteria version 6.0 and the UCR-PCN-FORM Version 1.0.</p> <p>By checking the supporting documents, it is confirmed that the project is a newly built solar power project, located in Brazil in the state of Minas Gerais, at Paulo Valias (2.5 MW) in São Gonçalo do Sapucaí, Harmonia I (2.5 MW) & Harmonia II (1.5 MW) in Passos, Boa Vista I & II (2.5 MW each) in Carmo Do Paranaíba, and Itatiaiuçu (2.0 MW) in Itatiaiuçu. The approximate coordinates of the project locations are São Gonçalo do Sapucaí (2.5 MW) 21°53'50.2"S & 45°34'30.7"W. Passos (2.5 MW) 20°40'35.4"S & 46°35'50.2"W. Passos (1.5 MW) 20°40'26.8"S & 46°35'43.4"W. Carmo Do Paranaíba (2.5 MW) 18°58'48.7"S & 46°18'29.0"W. Carmo Do Paranaíba (2.5 MW) 18°58'48.8"S & 46°18'37.8"W. Itatiaiuçu (2.0 MW) 20°11'26.8"S & 44°25'40.6"W respectively. Assessment team performed a remote inspection of project and confirmed that the location described in the PCN are accurate.</p> <p>The Project is a solar power project, to utilize solar energy to generate zero carbon emission electricity which is mainly dominated by fossil fuel power output. The project includes integrated power transmission mechanism, photovoltaic (PV) modules, central inverters, transformers, other relay & protection systems, microprocessor based fully automatic control system with user friendly operation and central monitoring system. Quality, Safety and Health plan for construction, installation, commissioning and Operation & Maintenance.</p>
Findings	CL 01 & CAR 01 was raised and closed successfully. More information presented in appendix below.
Conclusion	The description of the project activity is verified to be true based on the review of PCN, MR, Commissioning Certificate, Purchase Order Copies and power purchase agreements (power rental agreements).

Application and selection of methodologies and standardized baselines

(a.i) Application of methodology and standardized baselines

Means of Project Verification	The project has taken the reference of CDM methodology A.M.S I.D. CDM website is referred to check the latest version of the methodology. For the applicability mentioned in the PCN and MR, technical Specification, and commissioning certificate
Findings	No findings raised
Conclusion	The methodology applied is appropriately meeting the requirements of

	UCR and its standardized baseline. The methodology version is correct and valid. The referenced methodology is applicable to project activity.
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(.a.ii) Clarification on applicability of methodology, tool and/or standardized baseline

Means of Project Verification	The documents reviewed are A.M.S I. D “Grid connected renewable electricity generation” version 18, UCR Program standard, and UCR Verification Standard
Findings	No findings raised
Conclusion	The emission factor considered for the calculation of the emission reductions is verified with the Brazil’s ministry of science & technology. The total installed electrical energy generation capacity of the project equipment does not exceed 15 MW thus meeting the requirement of small-scale projects. It was confirmed that application of methodology and tools is correctly described in the MR submitted

(.a.iii) Project boundary, sources and GHGs

Means of Project Verification	Project owner has considered project boundary as per applicable methodology AMS-I.D. Version 18, “The spatial extent of the project boundary includes the project power plant and all power plants connected physically to the electricity system that the project power plant is connected to.” Review of PCN and MR confirms that project sites and Brazilian electricity grid system is considered as a project boundary which is appropriate.
Findings	No findings raised
Conclusion	The project boundary is correctly defined in the PCN and MR. GHG sources are correctly identified and reported. The project meets the requirements of UCR project standard, Verification standard and methodology requirements for a boundary, GHG sources.

(.a.iv) Baseline scenario

Means of Project Verification	<p>As per the applied methodology AMS.I.D. - Grid connected renewable electricity generation Version 18.0 the baseline scenario is as following:</p> <p>The baseline scenario is that the electricity delivered to the grid by the project activity would have otherwise been generated by the operation of grid-connected power plants and by the addition of new generation sources into the grid.</p> <p>Remote audit conducted and document review showed that in absence of the project activity, the generated electricity would have been supplied by the Brazilian grid which is dominated by fossil fuel fired plants.</p>
Findings	No findings raised
Conclusion	<p>The approved baseline methodology has been correctly applied to identify a realistic and credible baseline scenario, and the identified baseline scenario most reasonably represents what would occur in the absence of the proposed UCR project activity.</p> <p>All the assumption and data used by the project participants are listed in the PCN and/or supporting documents. All documentation relevant for establishing the baseline scenario are correctly quoted and interpreted</p>

	in the PCN. Assumptions and data used in the identification of the baseline scenario are justified appropriately, supported by evidence and can be deemed reasonable. Relevant national and/or sectoral policies and circumstances are considered and listed in the PCN.
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(a.v) Estimation of emission reductions or net anthropogenic removal

Means of Project Verification	<p>The verification team has assessed the calculations of baseline emissions and emission reductions. Corresponding calculations have been carried out based on calculation spread sheet. The parameters and equations presented in the PCN, as well as other applicable documents, have been compared with the information and requirements presented in the methodology and respective tools. An equation comparison has been made to ensure consistency between all the formulae presented in the calculation files and in the PCN, methodology, and tools.</p> <p>The assumptions and data used to determine the emission reductions are listed in the PCN and all the sources have been checked. Based on the information reviewed it is confirmed that the sources used are correctly quoted and interpreted in the PCN.</p> <p>The values presented in the PCN are considered reasonable based on the documentation and references reviewed and the results of the interviews.</p> <p>The baseline methodology has been applied correctly according to requirements.</p> <p>The estimate of the baseline emissions are considered correct as the calculations have been reproduced by the verification team with the attainment of the same results. The algorithms for the determination of the baseline, project, and leakage are discussed in the following sections.</p> <p>A "grid emission factor" refers to a CO₂ emission factor (tCO₂/MWh) which will be associated with each unit of electricity provided by an electricity system. As per the most recent data from Brazil's Ministry of Science and Technology (data of 2022) and the proper calculation methodology, the grid emission factor of Brazil is 0.279 tCO₂/MWh. Hence, the same emission factor has been considered to calculate the emission reduction under conservative approach.</p> <p>Net GHG Emission Reductions and Removals</p> $ER_y = BE_y - PE_y - LE_y$ <p>Where:</p> <p>ER_y = Emission reductions in year y (tCO₂/y)</p> <p>BE_y = Baseline Emissions in year y (t CO₂/y)</p> <p>PE_y = Project emissions in year y (tCO₂/y)</p> <p>LE_y = Leakage emissions in year y (tCO₂/y)</p> <p>Baseline Emissions</p> <p>Baseline emissions include only CO₂ emissions from electricity generation in power plants that are displaced due to the project activity. The methodology assumes that all project electricity generation above baseline levels would have been generated by existing grid-connected power plants and the addition of new grid-connected power plants.</p> <p>The baseline emissions are to be calculated as follows:</p> $BE_y = EG_{PJ,y} \times EF_{grid,y}$ <p>Where:</p> <p>BE_y = Baseline emissions in year y (t CO₂)</p> <p>EG_{PJ,y} = Quantity of net electricity generation that is produced and fed into the grid as a result of</p>
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the implementation of this project activity in year y (MWh)
EF_{grid,y} = Brazilian Ministry of Science and Technology (data of 2022) recommends an emission factor of 0.279 tCO₂/MWh

Project Emissions

As per paragraph 39 of AMS-I.D. (Version 18.0, dated 28/11/2014), only emission associated with the fossil fuel combustion, emission from operation of geo-thermal power plants due to release of non-condensable gases, emission from water reservoir of Hydro should be accounted for the project emission. Since the project activity is a solar power project, project emission for renewable energy plant is nil.

Hence, PE_y = 0

Leakage

As per paragraph 42 of AMS-I.D. version-18, 'If the energy generating equipment is transferred from another activity (biomass), leakage is to be considered.' In the project activity, there is no transfer of energy generating equipment and therefore the leakage from the project activity is considered zero
Hence, LE_y = 0

The actual emission reduction achieved during the first CoU period have been submitted as a part of first monitoring and verification. However, for the purpose of an ex-ante estimation, following calculation have been submitted:

Project Activity -1

Estimated annual baseline emission reductions (BE_y)

$$\begin{aligned} &= 5681 \text{ MWh/year} \times 0.279 \text{ tCO}_2/\text{MWh} \\ &= 1584.99 \text{ tCO}_2/\text{year} \text{ (i.e., 1584.99 CoUs/year)} \end{aligned}$$

Project Activity -2

Estimated annual baseline emission reductions (BE_y)

$$\begin{aligned} &= 6174 \text{ MWh/year} \times 0.279 \text{ tCO}_2/\text{MWh} \\ &= 1722.54 \text{ tCO}_2/\text{year} \text{ (i.e., 1722.54 CoUs/year)} \end{aligned}$$

Project Activity -3

Estimated annual baseline emission reductions (BE_y)

$$\begin{aligned} &= 3731 \text{ MWh/year} \times 0.279 \text{ tCO}_2/\text{MWh} \\ &= 1040.94 \text{ tCO}_2/\text{year} \text{ (i.e., 1040.94 CoUs/year)} \end{aligned}$$

Project Activity -4

Estimated annual baseline emission reductions (BE_y)

= 6434 MWh/year x 0.279 tCO₂/MWh
 = 1795.08 tCO₂/year (i.e., 1795.08 CoUs/year)

Project Activity -5

Estimated annual baseline emission reductions (BE_y)

= 3731 MWh/year x 0.279 tCO₂/MWh
 = 1040.94 tCO₂/year (i.e., 1040.94 CoUs/year)

Project Activity -6

Estimated annual baseline emission reductions (BE_y)

= 4731MWh/year x 0.279 tCO₂/MWh
 = 1319.94 tCO₂/year (i.e., 1319.94 CoUs/year)

The Emission Reductions for the given monitoring period are summarized in the tables below. The applicable emission reductions calculations are assessed with the Emission Reductions sheet.

Project Activity	Net Generation (MWh)	Emission Factor (tCO ₂ /MWh)	Emission Reduction (tCO ₂ /MWh)
1	9688.1	0.279	2702.97
2	6467.3	0.279	1804.37
3	3876.5	0.279	1081.54
4	4020.8	0.279	1121.80
5	3963.9	0.279	1105.92
6	3041.5	0.279	848.57
Total	31058		8665

Yearly emission reductions calculation for the monitoring period is given in the table below.

Monitoring Period	Net Energy (MWh)						Total Net Energy (MWh)	Grid Emission Factor	Emission Reduction (tCO ₂)
	Project Act. 1	Project Act. 2	Project Act. 3	Project Act. 4	Project Act. 5	Project Act. 6			
25-03-2022 to 31-12-2022	3950	362	403	0	0	0	4714	0.279	1315.31
01-01-2023 to 31-12-2023	5738	6106	3474	4021	3964	3042	26344	0.279	7349.89
						Total	31058		8665

Findings	CL 01 & CAR 01 was raised and closed successfully. More information presented in appendix below.
Conclusion	In summary, the calculation of emission reductions was correctly demonstrated by the PP according

	<p>to the methodology AMS.I.D. - Grid connected renewable electricity generation Version 18.0 and its tool“Tool to calculate the emission factor for an electricity system” Version 07.0.</p> <p>It is confirmed by Assessment team that:</p> <p>(a) All assumptions made for estimating GHG are listed in the PCN; (b) All documentation used by the project participants as the basis for assumptions and source of data is correctly quoted and interpreted in the PCN; (c) All values used in the PCN including GWPs are considered reasonable in the context of the proposed UCR project activity; (d) The methodologies and, where applicable, the standardized baselines and the other methodological regulatory documents have been applied correctly to calculate baseline, project and leakage GHG emissions, as well as GHG emission reductions; (e) All estimates of the baseline GHG emissions can be replicated using the data and parameter values provided in the PCN; (f) The sampling efforts were undertaken in accordance with the “Standard: Sampling and surveys for UCR project activities and programme of activities”, where the applied methodologies require that the data and parameters be determined in accordance with this standard.</p>
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(.a.vi) Monitoring Report

Means of Project Verification

Parameters determined ex-ante

The following parameters are determined ex-ante and verified by the verification team:

The baseline emission factor of the project is reported to be determined ex-ante and would remain fixed for the crediting period, which is calculated as a combined margin (CM), consisting of the combination of OM and BM emission coefficient. The parameters applied in the calculation were validated by the verification team.

The verification team confirms that all relevant parameters have been sufficiently considered and the values of the parameters are real, measurable and conservative.

Parameters monitored ex-post

According to the approved methodology AMS.I.D. - Grid connected renewable electricity generation Version 18.0, the following parameters will be monitored:

Parameter	Description
EGPJ,facility,y	Quantity of net electricity generation supplied by the projectplant/unit to the grid in year y
EGPJ,output,y	Electricity supplied by the proposed CDM project to the grid in year y
EGPJ,input,y	The electricity used by the proposed CDM project and input from the grid in year y

The values of the parameters monitored were checked against submitted Joint Meter Readings and invoices and were found correct.

Management system and quality assurance

The monitoring plan presented in the PCN complies with the requirements of the applicable methodology. The verification team has verified all parameters in the monitoring plan against the requirements of the methodology and no deviations have been found.

The management system and quality assurance procedures have been reviewed by the verification team through document review and interviews with the project participant. The project participant would train all the monitoring staffs are trained against with related requirement; the training guidelines and monitoring manual are

	<p>saved and verified.</p> <p>The monitoring plan outlines in the PCN includes:</p> <ul style="list-style-type: none"> - Monitoring Organization - Monitoring apparatus and installation: - Calibration - Data collection: - Data Management system <p>The electricity exported and imported by the project will be continuously measured by the meters and it would be monthly reported. Calibrations of the meters will be carried out by a qualified third party periodically. Cross-check measurements include the comparison with the record document confirmed by EDL.</p> <p>The submitted calibration certificates were checked and it was confirmed that the calibrations are conducted periodically as specified in the PCN i.e. at least once in 5 years. No delay in calibration is observed and no meter change has taken place during the current monitoring period.</p>
Findings	CL 02 & CAR 02 was raised and closed successfully. More information presented in appendix below.
Conclusion	<p>The verification team is convinced of compliance of the monitoring plan with the requirements of the monitoring methodology AMS.I.D. - Grid connected renewable electricity generation Version 18.0. During the remote audit assessment, the verification team interviewed the PP that the monitoring arrangements described in the monitoring plan are feasible within the project design.</p> <p>The monitoring parameter reported in MR adequately represents the parameters relevant to emission reduction calculation. The calibration report ensures the accuracy of the data reported. The number of CoUs generation is calculated based on this accurately reported data. The calculation was done using an excel sheet where all the parameters were reported. The emission factor for electricity is as per Brazilian ministry of science and technology (data 2022). In the monitoring report, emission reduction calculations are correctly calculated and reported. The monitoring report meets the requirements of UCR project verification requirements.</p>

Start date, crediting period and duration

Means of Project Verification	The start date and crediting period of project activity was checked based on the commissioning certificate, purchase orders for the photovoltaic modules, PCN, MR and other documents provided.
Findings	CAR 01 was raised and closed successfully. More information presented in appendix below.
Conclusion	The project has chosen crediting period start date as 25/03/2022. The crediting period is chosen as 25/03/2022 to 31/12/2023.

Positive Environmental impacts

Means of Project Verification	PP has not claimed any separate positive environmental impact. The project being renewable energy project will reduce fossil fuel use through replacement of the same.
Findings	No findings raised
Conclusion	The project is a renewable energy project and reduces the environmental burden by reducing the dependence on fossil fuel based power plants.

Project Owner- Identification and communication

Means of Project Verification	The project activity involves 6 different locations owned and operated by the same owner.			
	Project	IPP	Capacity (MW)	Location
	Paulo Valias	AXS ENERGIA S/A	2.5	São Gonçalo do Sapucaí, Minas Gerais, Brazil
	Harmonia I	AXS ENERGIA S/A	2.5	Passos, Minas Gerais, Brazil
	Harmonia II	AXS ENERGIA S/A	1.5	Passos, Minas Gerais, Brazil
	Boa Vista I	AXS ENERGIA S/A	2.5	Carmo Do Paranaíba, Minas Gerais, Brazil
	Boa Vista II	AXS ENERGIA S/A	2.5	Carmo Do Paranaíba, Minas Gerais, Brazil
	Itatiaiuçu	AXS ENERGIA S/A	2.0	Itatiaiuçu, Minas Gerais, Brazil
	Kosher climate is acting as an aggregator for these projects. The submitted commissioning certificates, agreements, joint meter readings confirm the ownership of the projects by the project owner.			
Findings	No findings raised			
Conclusion	The project owner was identified through a communication agreement signed between project owner and project aggregator. Equipment purchase orders and commissioning certificates were verified. Also, a legal document like Power Purchase Agreement/ Wheeling Agreement clearly establishes the project ownership. The identification and communication correctly meet the requirement of project verification and UCR project standard.			

Positive Social Impact

Means of Project Verification	Project has provided temporary employment to local people during its installation and commissioning. Also post commissioning some of people have employed permanently and local people were engaged leading to social financial benefit to surrounding. Overall social impact of project implementation is positive on the surrounding area
Findings	No findings raised
Conclusion	Project has overall positive social impact

Sustainable development aspects (if any)

Means of Project Verification	Not applicable
Findings	Not applicable
Conclusion	Not applicable

Internal quality control

>> The verifier confirms that,

- Due professional care has been taken while reviewing the submitted document.
- There is no conflict of interest as the verifier has no other engagement with either the aggregator or project owner directly or indirectly.
- Verification team consists of experienced personnel.

Project Verification opinion

Assessment team conducted documentation review the PCN against the UCR program verification standard version 2.0 and UCR project eligibility criteria version 6.0 and the UCR-PCN-FORM Version 1.0.

It is confirmed that the project is a newly built solar power project, located in Brazil in the state of Minas Gerais, at Paulo Valias (2.5 MW) in São Gonçalo do Sapucaí, Harmonia I (2.5 MW) & Harmonia II (1.5 MW) in Passos, Boa Vista I & II (2.5 MW each) in Carmo Do Paranaíba, and Itatiaiuçu (2.0 MW) in Itatiaiuçu. The approximate coordinates of the project locations are São Gonçalo do Sapucaí (2.5 MW) 21°53'50.2"S & 45°34'30.7"W. Passos (2.5 MW) 20°40'35.4"S & 46°35'50.2"W. Passos (1.5 MW) 20°40'26.8"S & 46°35'43.4"W. Carmo Do Paranaíba (2.5 MW) 18°58'48.7"S & 46°18'29.0"W. Carmo Do Paranaíba (2.5 MW) 18°58'48.8"S & 46°18'37.8"W. Itatiaiuçu (2.0 MW) 20°11'26.8"S & 44°25'40.6"W respectively.

Assessment team performed a remote audit and confirmed that the location described in the PCN is accurate. The verification was performed on the basis of UCR requirements, and host country criteria, as well as criteria given to provide for consistent project operations, monitoring and reporting.

The verification consisted of the following three phases: i) desk review of the PCN, MR and additional background documents; ii) follow-up interviews with project stakeholders; iii) resolution of outstanding issues and the issuance of the final verification report and opinion.

03 CL and 03 CAR were raised during the document review. After communication with the PP, the project participants revised the PCN and all CARs and CLs were closed.

The project correctly applies the approved baseline and monitoring methodology AMS-I.D. - Grid connected renewable electricity generation, Version 18.0.

The monitoring plan provides for the monitoring of the project's emission reductions. The monitoring arrangements described in the monitoring plan are feasible within the project design, and that the project participants are able to implement the monitoring plan. Given that the project is implemented and maintained as designed, the project is likely to achieve the estimated emission reductions of 8665 tCO₂eq during the one years, nine months (21 months) of its first renewable crediting period.

The review of the project design documentation and the subsequent follow-up interviews have provided assessment team with sufficient evidence to determine the fulfilment of stated criteria. In our opinion, the project meets all applicable UCR requirements. Assessment team thus requests the registration of the proposed UCR project activity.

Abbreviations

Abbreviations	Full texts
AMS	Approved Methodology for Small-Scale CDM project activities
UCR	Universal Carbon Registry
PCN	Project Concept Note
MR	Monitoring Report
t	Tonne
NGO	Non-Governmental Organization
ISO	International Organization for Standardization
CAR	Corrective Action Request
CL	Clarification Request
GHG	Greenhouse Gas
MWh	Megawatt Hours
CO ₂	Carbon Dioxide
CH ₄	Methane
N ₂ O	Nitrous Oxide

Competence of team members and technical reviewers

>> Dr. Atul Takarkhede is Ph.D. (Environmental Sciences) from Institute of Science, RTM Nagpur University, Nagpur, and he has already published different technical papers related to environmental sciences. He counts with more than 11 years of experience in field of Environmental Auditing, consulting and accreditation. He is an expert in ISO 9001-14001, CO₂/GHG Reporting, Carbon Foot Print, Energy, Water and Waste Management reporting for organizations' environmental performance. His professional portfolio is mainly related with carrying out EIA, conducting QA/QC of EIA Reports; conducting environmental/water audits; NABET requirements appliance, functional area expert in Water Pollution & Solid & Hazardous Waste management among others. Furthermore, he counts with solid experience on CDM-VCS-GS consultancy and auditing. At present he is associated with Enviance as a Team Lead and TR and Technical expert for the sectors 1.1,1.2,3.1,4.1,13.1. Dr. Atul Takarkhede is based in Nagpur, India.

>> Mr. Vipul Jain holds Bachelor of Technology from VIT University Vellore in 2020. He has gained valuable work experience as a site engineer at Light House Energy Developers, where he was employed from May 2020 to August 2022. Vipul holds an IRCA certification as an ISO 9001 Lead Auditor, demonstrating his expertise in quality management systems. He is well-versed in ISO 14064-1, ISO 14064-2, and ISO 14064-3, which are standards for greenhouse gas accounting and reporting. Furthermore, Vipul has received training in ISO 17029 and ISO 14065, highlighting his proficiency in environmental auditing and conformity assessment. He has also completed Clean Fuel Regulation training from Environment and Climate Change Canada, demonstrating his expertise in environmental management and sustainability.

>> Mr. Pankaj Kumar worked as team leader – Bihar for South Asia Climate Proofing and Growth Development (CPGD) – Climate Change Innovation Programme (CCIP) supported by DFID that seeks to mainstream climate change resilience into planning and budgeting at the national and sub-national level in India, Pakistan, Nepal, and Afghanistan. Pankaj Kumar has worked previously with IL&FS Infrastructure

Development Corporation and BUIDCO (Bihar Urban Infrastructure Development Corporation), Govt. of Bihar as Environmental Specialist for WB & ADB funded projects. Prior to this, he worked with Carbon Check (UNFCCC accredited DoE), Johannesburg, RSA, Applus certification as Team Leader for validation, verification of around 100 GHG projects in Asia, Africa, USA, Asia Pacific & Americas. Pankaj is accredited Lead Auditor, Validator, Verifier and Technical Expert for Sectoral Scope/Technical Area – 1.1, 1.2, 3.1, 4.1, 13.1 by Enviance. He is also member of task force on climate change & human health, Health Department, GoB and on roster of UNICEF's WASH experts. He is an experienced, qualified and result oriented Environment Professional having more than 14 yrs. of relevant experience in Climate Change (Mitigation & Adaptation), Environmental Due Diligence, Disaster Risk Reduction, Validation and Verification of GHG project under CDM, Verified Carbon Standard, Gold Standard & Social Carbon Standard, Brazil. He provides technical support for environmental investigative, consultative and remedial projects involving air, water and soil, Waste management, EIA, Environmental Compliance, ISO 14001, OHSAS 18001, GHG accounting (ISO 14064) and Carbon foot printing. Pankaj Kumar is Masters in Environment Management from Forest Research Institute (University), I.C.F.R.E, Dehradun, which is Centre of Excellence in South East Asia for Forestry education & research and PGDEL from National Law School of India University, Bangalore (India).

Document reviewed or referenced

No.	Author	Title	References to the document	Provider
1	NA	Communication agreement		Project Owner
2	NA	Project Concept Note		Aggregator
3	NA	Monitoring report		Aggregator
4	NA	Emission reduction sheet		Aggregator
5	NA	Declaration on avoidance of double counting		Aggregator
6	NA	Commissioning Certificates for the solar power plants		Aggregator
7	NA	Power purchase agreement/Power Rental agreement		Aggregator
8	NA	Joint Meter Readings/invoices for the complete monitoring period		Aggregator
9	NA	Calibration certificates for energy meters		Aggregator
10	NA	Purchase order for equipments		Aggregator
11	NA	National interconnected system of Brazil database year 2022		Brazilian ministry of science and technology
12		UCR Program manual version 5 UCR COU standard version 6 UCR Verification standard version 2 UCR terms and conditions		Universal Carbon Registry
13	NA	CDM approved methodology – AMS I. D version 18.0		UNFCCC

Clarification request, corrective action request and forward action request

Table 1. CLs from this Project Verification

Classification	<input type="checkbox"/> CAR <input checked="" type="checkbox"/> CL/CR <input type="checkbox"/> FAR	Number:	01
Raised by:	Dr. Atul Takarkhede	Document Reference	MR
Finding Description		Date:	25/01/2024

<ol style="list-style-type: none"> 1. In PCN capacity is mentioned using comma: 13,5 MW while in MR it is mentioned as 13.5 MW. 2. In PCN in section A.1 under purpose of project activity in a mentioned table all the capacities mentioned under the column installed capacity in MW, capacity is mentioned using a comma like 2,5 MW while in MR under section A.1 capacities mentioned in a table under the column installed capacity in MW, capacity is mentioned using a decimal 2.5 MW. Same in all 6 project activities. 3. In PCN in section A.1 under purpose of project activity in a mentioned table the annual generation mentioned under the column, annual generation in MWh/year, annual generation is mentioned as 5.681 while in MR under section A.1 annual generation mentioned in a table under the column, annual generation in MWh/year, annual generation is mentioned without a decimal i.e. 5681. Same in all 6 project activities. 4. In entire PCN GHG emission reductions are mentioned as 8.989,71 tCO₂e. Clarification is requested. 5. In section B.5 of PCN, in the estimated emission reduction calculations of project activity 1, net electricity generation is taken as 5.681 MWh/year and grid emission factor is taken as 0,2556 tCO₂/MWh while in section C.5 of MR in the estimated emission reduction calculations of project activity 1, net electricity generation is taken as 5681 MWh/year and grid emission factor is taken as 0.279 tCO₂/MWh. Same is carried out for all 6 project activities. 6. In section B.8 of PCN in table 1, grid emission factor is taken as 0.2556 tCO₂/MWh while in section C.10 of MR in table 1, grid emission factor is taken as 0.279 tCO₂/MWh. 7. As per the link page — Ministry of Science, Technology and Innovation (www.gov.br) mentioned in the excel sheet of emission factor calculation, the latest database of 2023 is mentioned but in calculations database of 2022 is used. Clarification is needed for the same. 8. Single line diagrams for all 6 project activities are not provided. 		
Client/Responsible Party/Project Proponent Response	Date: 30/01/2024	
<ol style="list-style-type: none"> 1. The writing decimal system has been corrected in the PCN. Please refer to PCN version 2. 2. The writing decimal system has been corrected in the PCN. Please refer to PCN version 2. 3. The writing decimal system has been corrected in the PCN. Please refer to PCN version 2. 4. The estimated emission reductions (tCO₂e) have been corrected in the PCN. Please refer to PCN version 2. 5. The writing decimal system and the grid Emission Factor (EF) have been corrected in the PCN. Please refer to PCN version 2. 6. The grid Emission Factor (EF) has been corrected in the PCN. Please refer to PCN version 2. 7. The database used for the EF calculations was of 2022 since the database of 2023 is still incomplete. Hence, applicable database is as of 2022. 8. The single line diagram are available in the folder 9.Single Line Diagram. 		
Validation/Verification Team Assessment	Date:	23/02/2024
<ol style="list-style-type: none"> 1. PP has corrected the capacity mentioned under revised PCN version 02, in decimal system and same is now inline with the capacity mentioned under MR. Thus, CL Closed. 2. PP has revised the values of capacities for all the 6 project activities mentioned under the column installed capacity in PCN version 02 in decimal system and same is now found consistent with the details mentioned MR under section A.1. Thus, CL Closed. 3. PP has revised the annual generation values mentioned in section A.1 under purpose of project activity in PCN version 02 in decimal system for all the 6 project activities and same is now found consistent with the details mentioned MR under section A.1. Thus, CL Closed. 4. PP has updated the Emission Reductions values in revised PCN version 02 and same is found consistent with the values given under emission reduction sheet. Thus, CL is Closed. 5. PP has corrected the Decimals & emission factor in the revised PCN version 02 and same is found consistent throughout the revised PCN version 02. Thus, accepted. CL Closed. 6. PP has revised the grid emission factor in Table 1 of section B.8 of revised PCN Version 02 and Table 01 of section C.10 of revised MR same is found consistent now. Thus, accepted. CL Closed. 		

7. PP Clarified regarding emission factor database, since the database of 2023 is still incomplete. Hence, applicable database used for the EF calculations was of 2022 same is accepted by the assessment team. Thus, **CL Closed**.
8. As requested, single line diagrams have been submitted by the PP and same is checked by the assessment team and found acceptable. Thus, **CL Closed**.

Classification	<input type="checkbox"/> CAR <input checked="" type="checkbox"/> CL/CR <input type="checkbox"/> FAR	Number:	02
Raised by:	Dr. Atul Takarkhede	Document Reference	MR
Finding Description		Date:	23/02/2024
<ol style="list-style-type: none"> 1. In revised PCN Version 02, In section A.1 under emission reduction & impact of project activity the value of net energy generation and emission reduction values are found inconsistent with the values mentioned under emission reduction calculation version 2. Kindly Clarify. 2. In PCN version 02 section B.5 in first CoU issuance period table, 1st generation issuance details are not in line with the details mentioned under emission reduction calculation version 2. Clarification sought. 3. In emission reduction calculation version 02, PP has added December 2023 readings which were not in ER sheet Version 01. Thus, PP shall submit the supporting documents for the same. 4. In PCN section B.8, in ex-post monitoring table value of net energy generation is found not inline with the values mentioned under emission reduction calculation version 02. Clarification sought. 5. PP shall clarify the Commissioning dates of all the 6 projects mentioned in the PCN & MR; as the supporting documents of the mentioned dates under PCN & MR are not provided. 6. PP shall submit the power purchase agreement of energy sold to grid to the assessment team. 			
Client/Responsible Party/Project Proponent Response		Date:	14/03/2024
<ol style="list-style-type: none"> 1. The values of net energy generation and emission reductions mentioned under section A.1 of the PCN are based on the estimated annual generation values. Actual values as per JMRs were provided in the Monitoring Report version 2 and Emission Reductions calculation version 2. 2. The values of net energy generation and 1st CoU Issuance mentioned under section B.5 of the PCN are based on the estimated annual generation values. Actual values as per JMRs were provided in the Monitoring Report version 2 and Emission Reductions calculation version 2. 3. Supporting documents were uploaded accordingly. Please refer to the folder 3. JMRs. 4. The values of net energy generation under section B.8 of the PCN are based on the estimated annual generation values. Actual values as per JMRs were provided in the Monitoring Report version 2 and Emission Reductions calculation version 2 has been updated accordingly. Please refer to PCN version 3. 5. The commissioning date considered for each of the 6 project activities is the date of signature of the Operations Agreement between the project activity and the Distribution Company (DisCo), since both parties entered the Agreement to connect the generation unit (Project Activity) to the electricity distribution system. Hence, Agreement signature date is considered as the date of connection to the grid, and therefore the Commercial Operation Date. Please refer to the folder 2. COPD. 6. The power purchase-rental agreement has been provided accordingly. Please refer to the folder 10. Power Purchase Agreement. Further clarification about the Brazilian small scale contracting arrangement has also been included in the same folder, in order to support the Rental Agreement evidence. Please refer to document Clarification on energy contracting arrangement. 			
Validation/Verification Team Assessment		Date:	15/03/2024
<ol style="list-style-type: none"> 1. PP has given clarification regarding net energy generation and emission reductions to the assessment team. Hence, this part of CL is closed. 2. PP has given clarification regarding 1st CoU issuance period to the assessment team. Hence, this part of CL is closed. 3. PP has submitted the supporting documents to the assessment team. Hence, this part of CL is closed. 			

4. In PCN section B.8, in ex-post monitoring table value of net energy generation is found not inline with the values mentioned under emission reduction calculation version 02. PP has replied that the values are estimated annual generation. Table states that the values are ex post monitoring value. Only unit is to be mentioned and not the estimated value. Hence, this part of the CL is open. 5. PP has given clarification regarding commissioning dates to the assessment team. Hence, this part of CL is closed. 6. PP has submitted power plant rental agreement. Documents or data regarding power purchase agreement are not mentioned in the document submitted. Hence, this part of CL is open.		
Validation/Verification Team Assessment	Date:	01/05/2024
4. PP has done corrections in section B.8 of PCN version 3. Hence, this part of CL is closed. 6. PP has submitted supporting document of power purchase agreement also known as power rental document. Hence, this part of CL is closed.		

Table 2. CARs from this Project Verification

Classification	<input checked="" type="checkbox"/> CAR <input type="checkbox"/> CL/CR <input type="checkbox"/> FAR	Number:	01
Raised by:	Dr. Atul Takarkhede	Document Reference	MR
Finding Description		Date:	25/01/2024
1. In MR in information table on page no.2 monitoring period duration is mentioned as 25/03/2023 to 31/12/2023 while on cover page it is mentioned as 25/03/2022 to 31/12/2023. 2. In MR on page no.4 under the table summary of the project activity, start date of the monitoring period is mentioned as 25/03/2023 while on cover page it is mentioned as 25/03/2022. 3. In section B.5 of PCN, grid emission factor is mentioned as 0.2556 tCO2/MWh while in section C.5 of MR and excel sheet of emission factor calculation, grid emission factor is mentioned as 0.279 tCO2/MWh. 4. In baseline emissions of PCN, grid emission factor is mentioned as 0.2556 tCO2/MWh while in baseline emissions of MR and excel sheet of emission factor calculation, grid emission factor is mentioned as 0.279 tCO2/MWh.			
Client/Responsible Party/Project Proponent Response		Date:	30/01/2024
1. The Monitoring period has been corrected in the MR. Please refer to the MR and ER sheet version 2. 2. The Monitoring period has been corrected in the MR. Please refer to the MR and ER sheet version 2. 3. The grid Emission Factor (EF) has been corrected in the PCN. Please refer to PCN version 2. 4. The grid Emission Factor (EF) has been corrected in the PCN. Please refer to PCN version 2.			
Validation/Verification Team Assessment		Date:	23/02/2024
1. PP has corrected the duration of the monitoring period in the revised MR and dates are found consistent now. Thus, CAR is Closed. 2. PP has revised the start date of the monitoring period in the revised MR and dates are found consistent now. Thus, CAR is Closed. 3. PP has corrected the grid emission factor in revised PCN version 02, and values are now consistent with the values mentioned under MR and excel sheet of emission factor calculation. Thus, accepted. CAR is Closed. 4. PP has corrected the grid emission factor in under baseline emissions in revised PCN version 02, and values are now consistent with the values mentioned under MR and excel sheet of emission factor calculation. Thus, accepted. CAR is Closed.			

Classification	<input checked="" type="checkbox"/> CAR <input type="checkbox"/> CL/CR <input type="checkbox"/> FAR	Number:	02
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Raised by:	Dr. Atul Takarkhede	Document Reference	MR
Finding Description		Date:	23/02/2024
1. In section A (A.1) of both PCN & MR, in given table annual generation is not in line with the emission reduction calculation version 02. Correction sought.			
Client/Responsible Party/Project Proponent Response		Date:	26/02/2024
1. The values of annual generation informed at the table in Section A.1 were sourced from the plant's estimated annual generation assessment by a 3 rd party. Hence the values are estimations. Actual annual generation values were provided at Section C.5 of the Monitoring Report and at the Emission Reductions Calculation sheet.			
Validation/Verification Team Assessment		Date:	16/03/2024
1. PP has clarified regarding annual generations to the assessment team. Hence, this part of CAR is closed.			

Table 3. FARs from this Project Verification

FAR ID	XX	Section no.	Date: DD/MM/YYYY
Description of FAR			
Project Owner's response			Date: DD/MM/YYYY
Documentation provided by Project Owner			
UCR Project Verifier assessment			Date: DD/MM/YYYY