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	☐ CDM or other GHG Accreditation ☒ 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	30/09/2027
Completion date of this VR	09/10/2025
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)	UCR 331
Name of Entity requesting verification service (can be Project Owners themselves or any Entity having authorization of Project Owners, example aggregator.)	Kosher Climate India Private Limited
Contact details of the representative of the Entity, requesting verification service (Focal Point assigned for all communications)	Name: Mr. 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
GHG Sectoral scopes linked to the applied methodologies	01 Energy industries (Renewable/Non-Renewable Sources)

Project Verification Criteria: Mandatory requirements to be assessed	☒ UCR Standard ☒ Applicable Approved Methodology ☒ Applicable Legal requirements /rules of host country ☒ Eligibility of the Project Type ☒ Start date of the Project activity ☒ Meet applicability conditions in the applied methodology ☒ Credible Baseline ☒ Do No Harm Test ☒ Emission Reduction calculations ☒ Monitoring Report ☒ No GHG Double Counting ☐ Others (please mention below)
Project Verification Criteria: Optional requirements to be assessed	☒ Environmental Safeguards Standard and do-no-harm criteria ☒ Social Safeguards Standard do-no-harm criteria
Project Verifier's Confirmation: The *UCR Project Verifier* has verified the UCR project activity and therefore confirms the following:	The UCR Project Verifier Enviance Services Private Limited, certifies the following with respect to the UCR Project Activity [*Negative Carbon by AXS: 13.5 MW Solar Power Project in Brazil].* ☒ 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. ☒ 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. ☒ The Project Activity is not likely to cause any net-harm to the environment and/or society ☒ The Project Activity complies with all the applicable UCR rules[1] and therefore recommends UCR Program to register the Project activity with above mentioned labels.

1https://a23e347601d72166dcd6-16da518ed3035d35cf0439f1cdf449c9.ssl.cf2.rackcdn.com//Documents/UCRtermsandconditionsMay2025Ver11_230525172325112351.pdf

Project Verification Report, reference number and date of approval	Verification Report UCR Reference number: 331 Date of approval: 15-10-2025
Name of the authorised personnel of UCR Project Verifier and his/her signature with date	 Vidhya Murali Krishna Quality Manager Dated: 15-10-2025

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 10,381 tCO_2 over the entire second monitoring period.

Total cumulative installed capacity of the project would be 13.5 MW with a total gross energy generation of 29,786 MWh in the second monitoring period starting from 01/01/2024 to 31/12/2024. 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 plant is mentioned below:

Project Activity	Power Plant Name	Village/State	Energy Source	Installed capacity in MW	Commissioning date	Net Energy (MWh)
1	Paulo Valias	São Gonçalo do Sapucaí (MG)	Solar PV	2.5	25/03/2022	5,509
2	Harmonia I	Passos (MG)	Solar PV	2.5	24/06/2022	5,288
3	Harmonia II	Passos (MG)	Solar PV	1.5	12/07/2022	3,287
4	Boa Vista I	Carmo Do Paranaíba (MG)	Solar PV	2.5	11/01/2023	5,854
5	Boa Vista II	Carmo Do Paranaíba (MG)	Solar PV	2.5	20/12/2022	5,644
6	Itatiaiuçu	Itatiaiuçu (MG)	Solar PV	2.0	31/03/2023	4,204

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 was 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 for the second monitoring period in the MR version 2 dated 22/07/2025 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 which is the second issuance period, verified emission reductions achieved by the project activity were as below;

Start date of monitoring period	01/01/2024
End date of monitoring period	31/12/2024
Emission reductions achieved	10,381 tCO_2eq

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 orother office of UCR Project Verifier or outsourced entity)	Involvement in		
					Document review	Off-Site inspection	Interviews
1.	Team Leader/Lead Validator	Mahajan	Swati	Enviance Services Private Limited	Yes	Yes	Yes
2.	Validator-Verifier/Technical Expert	Singh	Ritu	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	Mr. Pankaj	Enviance Services Private Limited
2.	Approver	Internal	Krishna	Vidhya Murali	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 off-site inspection: 24/09/2025

No.	Activity performed Off-Site	Site location	Date
1.	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 requirementsof 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	São Gonçalo do Sapucaí, Passos, Carmo Do Paranaíba, and Itatiaiuçu in Minas Gerais state, Brazil	24/09/2025
	uncertainties; and determination whether the project could reasonably be expected to achieve the estimated GHG reduction/removals. f) Review of information flows for generating, aggregating and reporting of the parameters to be monitored g) To confirm that the operational and data collection procedures can be implemented in accordancewith the Monitoring Plan h) Cross -check of information provided in the submitted documents and data from other sources available at site 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 j) Interviews of local Stakeholders		

Interviews

No.	Interview			Date	Subject
	Last name	First name	Affiliation		
1.	Gelsleichter	Joao	AXS ENERGIA S/A	24/09/2025	Project Implementation, Monitoring plan, Project Boundary, Eligibility criteria, Host country requirements, Emission reduction calculations Project implementation, monitoring, Local stakeholder consultation
2.	Barreiros	Ander Ibner			
3.	Guimaraes	Robson			
4.	Cesar	Caio			
5.	-	Sreelakshmi	Kosher Climate India Private Limited		
6.	Barbi	Jorge	Kosher Climate India Private Limited (Brazil Team)		
7.	Abrao	Joao			
8.	Silva	Gomes	Local Stakeholder		
9.	Barbosa	Domingos	Local Stakeholder		
10.	Batista	Bueno	Local Stakeholder		
11.	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	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	01	-	-
- Project boundary, sources and GHGs	-	-	-
- Baseline scenario	-	-	-
- Estimation of emission reductions or net anthropogenic removals	-	-	-
- Monitoring Report	-	01	-
Start date, crediting period and duration	-	01	-

Environmental impacts	-	-	-
Project Owner- Identification and communication	-	-	-
Others (supporting documents)	01	-	-
Total	03	02	-

❖ Project Verification findings

Identification and eligibility of project type

Means of Project Verification	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. 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. 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.
Findings	No findings raised
Conclusion	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

General description of project activity

Means of Project Verification	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. Assessment team conducted documentation review of the PCN against the UCR program verification standard version 2.0 and UCR project eligibility criteria version 7.0 and the UCR-PCN-FORM Version 1.0. 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. The Project is a solar power project, to utilize solar energy to generate zero carbon emission electricity which is mainly dominatedby 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.
Findings	CL 01 was raised and closed successfully. More information presented ħappendix 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. version 18. 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.

(.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	CL 02 was raised and closed successfully. More information presented happendix below.
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	As per the applied methodology AMS.I.D. - Grid connected renewable electricity generation Version 18.0 the baseline scenario is as following: 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. 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.
Findings	No findings raised
Conclusion	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. 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 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.

(.a.v) Estimation of emission reductions or net anthropogenic removal

Means of Project Verification	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. 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. The values presented in the PCN are considered reasonable based on the documentation and references reviewed and the results of the interviews. The baseline methodology has been applied correctly according to requirements. 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. 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 (https://www.gov.br/mcti/pt-br/acompanhe-o-mcti/cgcl/paginas/metodo-da-analise-de-despacho.) and the proper calculation methodology, the grid emission factor of Brazil is 0.3486 tCO_2/MWh for the year 2024. Hence, the same emission factor has been considered to calculate the emission reduction under conservative approach. ❖ **Net GHG Emission Reductions and Removals** $ER_y = BE_y – PE_y – LE_y$ Where: ER_y = Emission reductions in year y (tCO2/y) BE_y = Baseline Emissions in year y (t CO_2/y) PE_y = Project emissions in year y (tCO2/y) LE_y = Leakage emissions in year y (tCO2/y) **Baseline Emissions** Baseline emissions include only CO_2 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.

The baseline emissions are to be calculated as follows:

$BE_y = EG_{PJ,y} \times EF_{grid,y}$

Where:

BE_y = Baseline emissions in year y (t CO2)
$EG_{PJ,y}$ = Quantity of net electricity generation that is produced and fed into the grid as a result of theimplementation of this project activity in year y (MWh)
$EF_{grid,y}$ = Brazilian Ministry of Science and Technology recommends an emission factor of 0.3486 tCO_2/MWh for the year 2024.

❖ **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 second CoU period which is from 01/01/2024 to 31/12/2024 has been mentioned below.

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.

Monitoring Period	Net Energy (MWh)						Total Net Energy (MWh)	Grid Emission Factor	Emission Reduction (tCO2)
	Proj. Act. 1	Proj. Act. 2	Proj. Act. 3	Proj. Act. 4	Proj. Act. 5	Proj. Act. 6			
01-01-2024 to 31-12-2024	5509	5288	3287	5854	5644	4204	29786	0.3486	10,381
						Total	**29786**	**0.3486**	**10,381**

Findings

No findings raised.

Conclusion

In summary, the calculation of emission reductions was correctly demonstrated by the PP according to the methodology AMS.I.D. - Grid connected renewable electricity generation Version 18.0.

It is confirmed by Assessment team that:
(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 thePCN; (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.

(.a.vi) Monitoring Report

<table>
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<td>Means of Project Verification</td>
<td>
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:
<table>
<tr><th>Parameter</th><th>Description</th></tr>
<tr><td>EGPJ,facility,y</td><td>Quantity of net electricity generation supplied by the projectplant/unit to the grid in year y</td></tr>
<tr><td>EGPJ,output,y</td><td>Electricity supplied by the proposed CDM project to the grid in year y</td></tr>
<tr><td>EGPJ,input,y</td><td>The electricity used by the proposed CDM project and input from the grid in year y</td></tr>
</table>

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
</td>
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</table>

	saved and verified. The monitoring plan outlines in the PCN includes: - Monitoring Organization - Monitoring apparatus and installation: - Calibration - Data collection: - Data Management system 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. The submitted calibration certificates were checked and it was confirmed that the calibrations are conducted periodically. No delay in calibration is observed and no meter change has taken place during the current monitoring period.
Findings	CAR 01 was raised and closed successfully. More information presented in appendix below.
Conclusion	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. 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. In the monitoring report, emission reduction calculations are correctly calculated and reported. The monitoring report meets the requirements of UCR project verification requirements.

Start date, crediting period and duration

Means of Project Verification	The start date and crediting period of project activity was checked basedon the commissioning certificate, purchase orders for the photovoltaic modules, PCN, MR and other documents provided.
Findings	CAR 02 was raised and closed successfully. More information presented in appendix below.
Conclusion	The project has chosen crediting period start date as 01/01/2024 which is the second issuance period. The second crediting period is chosen as 01/01/2024 to 31/12/2024.

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 throughreplacement of the same.
Findings	No findings raised
Conclusion	The project is a renewable energy project and reduces the environmentalburden 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	CL 03 was raised and closed successfully. More information presented in appendix below.
Conclusion	Project has overall positive social impact

Sustainable development aspects (if any)

Means of Project Verification	PP has claimed SDG Goals 7, 8 & 13. SDG 7 is affordable and clean energy and it is verified during remote audit as the project is solar power plant. SDG 8 is decent work and economic growth. This project activity generates additional employment in the operations and maintenance of the solar farm for the local people. This project achieves full and productive employment and decent work. PP has submitted local employment records for verification. SDG 13 is climate action. These claims were checked on the basis of supporting documents, JMR & invoice, employment of the local people on the project site and emission reduction calculations respectively.
Findings	No findings raised.
Conclusion	The project has the capability to address SDG 7, 8 and 13.

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 aggregatoror 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 7.0 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 02 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 10,381 tCO2eq during the one year (01/01/2024 to 31/12/2024) of its second 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 avtivities
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
CO2	Carbon Dioxide
CH4	Methane
N2O	Nitrous Oxide

Competence of team members and technical reviewers

❖ **Mr. Pankaj Kumar** is a seasoned Environment and Climate Change professional with over 19 years of experience in Climate Change Mitigation & Adaptation, Environmental Due Diligence, Disaster Risk Reduction, Climate Finance, and capacity building. As the Managing Director of Enviance Services Pvt. Ltd., Pankaj Kumar leads a validation and verification body for GHG projects and also providing consultancy services in various areas including Climate Adaptation, Mitigation, Sustainability, and more. Previously, Pankaj Kumar served as a Climate Adaptation Expert with Deloitte Touche Tohmatsu India LLP, contributing to the World Bank project on Asset Management, Institutional Effectiveness, and Road Safety in Bihar. Mr. Pankaj also led the Bihar team for the South Asia Climate Proofing and Growth Development (CPGD) – Climate Change Innovation Programme (CCIP), supported by DFID, which aimed to integrate climate change resilience into planning and budgeting across South Asia. With a strong background in environmental projects, Pankaj Kumar has worked with IL&FS Infrastructure Development Corporation and BUIDCO (Bihar Urban Infrastructure Development Corporation) as an Environmental Specialist for WB & ADB funded projects. Additionally, Pankaj has extensive experience in GHG project validation and verification, having led over 300 projects globally while with UNFCCC

accredited DoEs and as an external expert for Gold Standard and Global Carbon Council. Mr. Pankaj is an accredited Lead Auditor, Validator, Verifier, and Technical Expert for multiple sectoral scopes by UNFCCC DoE and is on the roster of WASH experts of UNICEF. Mr. Pankaj's expertise spans across various standards including CDM, Verified Carbon Standard, Gold Standard, Global Carbon Council, Natural Forest Standard, Riverse and Social Carbon Standard.

❖ **Ms. Ritu Singh** has done Masters in Environmental Science from Central University of South Bihar, Gaya and bachelor of Science in Zoology from Magadh Mahila College, Patna University, India. She has done Masters' research focused on solid waste management during and post covid-19 pandemic and conducted a survey in Medical Colleges of Bihar to study the trends of waste management. She has more than 2 year working experience in True Quality Certifications Pvt. Ltd. (An outsource entity for LGAI Technological Center, S.A. (Spain) "Applus+ Certification") and has been involved in supporting Audit teams for Validation and Verifications of Project Activities (Renewable and non-Renewable projects) under CDM/VCS/GS4GG/GCC programs. Currently, Ritu is engaged as an internal resource with Enviance Services Private Limited, where she is accredited as a Lead Auditor, Validator, Verifier, and Technical Expert for Sectoral Scope/Technical Area 1.2 by Enviance.

❖ **Ms. Swati Mahajan** is graduate in Environmental Engineering from Shivaji University, India and previously worked as an Environment Engineer at Eco Designs India Private Ltd., Pune. She is adept in designing of landfill sites for solid waste management. She also has hands on experience in cost benefit analysis and preparation of DPRs for SWM projects. She also has done a certified course in carbon capture and storage from Edinburg University. Currently working as GHG assessor for projects under various GHG mechanisms like GCC, ICR, UCR and VERRA.

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	Grid Emission factor recommended for Brazilian projects	Source: https://www.gov.br/mcti/pt-br/acompanhe-o-mcti/cgcl/paginas/metodo-da-analise-de-despacho.	Ministry of Science, Technology and Innovation, Brazil

12	UCR	UCR Program manual version 6.2 UCR COU standard version 7 UCR Verification standard version 2 UCR terms and conditions version 11.0, May 2025	https://www.ucarbonregistry.io/Document?projectCategoryId=1	Universal Carbon Registry
13	CDM	CDM approved methodology – AMS I. D version 18.0	https://cdm.unfccc.int/UserManagement/FileStorage/2P7FS6ZQAR84LG3NMKYUH50WI9ODBC	UNFCCC

Clarification request, corrective action request and forward action request

Table 1. CLs from this Project Verification

Classification	☐ **CAR** ☒ **CL/CR** ☐ **FAR**	**Number:**	**01**
Raised by:	**Ms. Swati Mahajan**	**Document Reference**	**MR**
Finding Description		**Date:**	**26/09/2025**
PP shall submit an undertaking for no double counting for current monitoring period and for project activity has neither been registered nor seeking registration under any other GHG programs.			
Client/Responsible Party/Project Proponent Response		**Date:**	**06/10/2025**
No double counting agreement has been submitted for current monitoring period to verify that the project activity is not seeking registration under any other GHG programs.			
Validation/Verification Team Assessment		**Date:**	**07/10/2025**
PP has submitted an undertaking for no double counting. During verification it was concluded that the project activity has neither been registered nor seeking registration under any other GHG programs for the current monitoring period. Hence, CL 01 is closed.			

Classification	☐ **CAR** ☒ **CL/CR** ☐ **FAR**	**Number:**	**02**
Raised by:	**Ms. Swati Mahajan**	**Document Reference**	**MR**
Finding Description		**Date:**	**26/09/2025**
As discussed during the remote audit, the PP shall submit the Performance Data Sheet detailing the project activity.			
Client/Responsible Party/Project Proponent Response		**Date:**	**06/10/2025**
The performance data sheet of the PV modules under the project activity is provided in the drive.			
Validation/Verification Team Assessment		**Date:**	**07/10/2025**
PP has submitted the Performance Data Sheet for the PV modules. During assessment it was confirmed that the PV modules are in alignment with the project activity. Hence, CL 02 is closed.			

Classification	☐ CAR ☒ CL/CR ☐ FAR	Number:	03
Raised by:	Ms. Swati Mahajan	Document Reference	MR
Finding Description		Date:	26/09/2025
1. PP shall submit the names of the local stakeholders. 2. PP has claimed alignment with **Sustainable Development Goal (SDG) 8** under the project activity. To substantiate this claim, PP shall submit appropriate supporting documentation that demonstrates measurable contributions toward SDG 8.			
Client/Responsible Party/Project Proponent Response		Date:	06/10/2025
1. The list of local stakeholders is provided. 2. Employment Records are provided to substantiate the project's contribution towards SDG 08.			
Validation/Verification Team Assessment		Date:	07/10/2025
1. PP has submitted the list of local stakeholders and the same has been reviewed. 2. The Employment Records provided in support of the project's alignment with Sustainable Development Goal (SDG) 8 are acknowledged. These documents were assessed to verify measurable contributions toward inclusive and sustainable economic growth, employment generation, and decent work conditions under the project activity and on assessment all the documents were found to be appropriate. Hence, CL 03 is closed.			

Table 2. CARs from this Project Verification

Classification	☒ CAR ☐ CL/CR ☐ FAR	Number:	01
Raised by:	Ms. Swati Mahajan	Document Reference	MR
Finding Description		Date:	26/09/2025
Font type and size should be consistent throughout the monitoring report.			
Client/Responsible Party/Project Proponent Response		Date:	06/10/2025
Font type and size made consistent across the monitoring report.			
Validation/Verification Team Assessment		Date:	07/10/2025
PP has made corrections in font size and type and on assessment it was found to be consistent throughout the MR version 2.0. Hence, CAR 01 is closed.			

Classification	☒ CAR ☐ CL/CR ☐ FAR	Number:	02
Raised by:	Ms. Swati Mahajan	Document Reference	MR
Finding Description		Date:	26/09/2025
1. Second issuance period is inconsistent throughout the MR. Correction sought 2. Emission factor mentioned in MR is inconsistent throughout the report. Correction sought.			

Client/Responsible Party/Project Proponent Response	**Date:**	**06/10/2025**
1. Second issuance period is made consistent across the MR. 2. Emission factor for the year 2024 has been updated and made consistent throughout the MR.		
Validation/Verification Team Assessment	**Date:**	**07/10/2025**
During assessment it was observed that, 1. Second issuance period is consistent in MR version 2.0. 2. Emission factor for the year 2024 has been updated and is now consistent throughout the MR version 2.0. Hence, CAR 02 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~~