



COVER PAGE	
Project Verification Report Form (VR)	
BASIC INFORMATION	
Name of approved UCR Project Verifier / Reference No.	SQAC Certification Pvt. Ltd.
Type of Accreditation	<input type="checkbox"/> CDM or other GHG Accreditation <input type="checkbox"/> ISO 14065 Accreditation <input checked="" type="checkbox"/> UCR Approved
Approved UCR Scopes and GHG Sectoral scopes for Project Verification	13: Waste handling & disposal
Validity of UCR approval of Verifier	October 2021 onwards.
Completion date of this VR	25/06/2024
Title of the project activity	Avoidance of Methane emissions through composting at Nisol, Jahaj, India.
Project reference no.	UCR ID: 404
Name of Entity requesting verification service	Nisol Manufacturing Company Pvt. Ltd. & Imageio Knowledge Solution Pvt. Ltd.
Contact details of the representative of the Entity, requesting verification service	Mr. Minesh Patel, M/s. Imageio Knowledge Solutions Pvt. Ltd., 407, Payal Complex, Near Fortune Tower, Sayajigunj, Vadodara - 390005 Mr. Nimesh Thakar M/s. Nisol Manufacturing Company Private Limited, Ranchhod Krupa, Dharmaj - 388430, Tal: Petlad, Dist: Anand, Gujarat, India.





Country where project is located	India
Applied methodologies (approved methodologies by UCR Standard used)	UNFCCC CDM AMS-III.F. Small-scale methodology Avoidance of methane emissions through composting Version 12.0. TOOL04 Methodological tool Emissions from solid waste disposal sites, Version 08.1
GHG Sectoral scopes linked to the applied methodologies	13: Waste Handling & Disposal
Project Verification Criteria: Mandatory requirements to be assessed	<input checked="" type="checkbox"/> UCR Standard <input checked="" type="checkbox"/> Applicable Approved Methodology <input 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 checked="" type="checkbox"/> Environmental Safeguards Standard and do-no-harm criteria <input checked="" type="checkbox"/> Social Safeguards Standard do-no-harm criteria
Project Verifier's Confirmation: The <i>UCR Project Verifier</i> has verified the UCR project	The UCR Project Verifier SQAC Certification Pvt. Ltd., certifies the following with respect to the UCR



activity and therefore confirms the following:

Project Activity Avoidance of Methane Emissions through composting at Nisol, Jahaj, India., by Nisol Manufacturing Company Pvt Ltd.



The Project Owner has correctly described the Project Activity in the Project Concept Note dated 02/01/2024 and Monitoring Report V2 dated 15/06/2024 including the applicability of the approved methodology UNFCCC CDM AMS-III.F. Small-scale methodology Avoidance of methane emissions through composting Version 12.0 & TOOL04 Methodological tool Emissions from solid waste disposal sites, Version 08.1 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 generating GHG emission reductions amounting to the estimated [1,40,600] tCO_{2e}, as indicated in the MR, 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 and therefore recommends UCR Program to register the Project activity with above mentioned labels.
Project Verification Report, reference number and date of approval	Verification Report UCR Project ID: 404 and 25/06/2024
Name of the authorised personnel of UCR Project Verifier and his/her signature with date	  Santosh Nair Lead Verifier (Signature) SQAC Certification Pvt Ltd

PROJECT VERIFICATION REPORT

Section A. Executive summary

Maverik Incorporation has contracted SQAC Certification Pvt. Ltd. to carry out the verification of the project activity “Avoidance of methane emissions through composting at Nisol, Jahaj, India”, UCR approved project ID:404, to establish number of CoUs generated by project over the crediting period from **01/01/2013 - 31/12/2023** (11 years 00 months)

We believe that the total GHG emission reductions over the crediting / verification period stated in the Monitoring Report V2 (MR), submitted to us is accurate and in line with the UCR guidelines.

The GHG emission reductions were calculated based on UCR Protocols which draws reference from, CDM UNFCCC Methodology, AMS-III.F. Small-scale methodology Avoidance of methane emissions through composting, Version 12.0 and TOOL04 Methodological tool Emissions from solid waste disposal sites, Version 08.1. The verification was done remotely by way of video calls / verification, phone calls and submission of documents for verification through emails as per UCR guidelines.

SQAC is able to certify that the emission reductions from Avoidance of methane emissions through composting at Nisol, Jahaj, India, (UCR ID – 404) for the period **01/01/2013 to 31/12/2023** amounts to **1,40,600 CoUs (1,40,600 tCO₂eq)**

Project Verification team, technical reviewer and approver

Section B. Project Verification Team

Sr. No.	Role	Last name	First name	Affiliation	Involvement in		
					Doc review	Off-Site inspection	Interviews
1.	Team Leader	Nair	Santosh	n/a	yes	yes	yes
2.	Validator	Nair	Santosh	n/a	yes	yes	yes

Technical reviewer and approver of the Project Verification report

Sr. No.	Role	Type of resource	Last name	First name	Affiliation
1.	Technical reviewer	IR	Shinganapurkar	Praful	SQAC Certification Pvt. Ltd.
2.	Approver	IR	Shinganapurkar	Praful	SQAC Certification Pvt. Ltd.

Section C. Means of Project Verification

C.1. Desk/document review

As part of the review and validation process, Maverik Incorporation submitted a comprehensive set of documents for examination to the Lead Verifier. The documents included the Project Concept Note (PCN), Monitoring Report (MR), Commissioning Certificate, Calibration Report, Analysis Report, Delivery Slips, Factory License, Production Waste Sheet, Compliance Report as per CTO Amendment, GPCB NOC, and additional data provided upon request pertaining to this project. These documents were thoroughly reviewed to ensure compliance with relevant standards and guidelines, and to validate the accuracy and completeness of the information provided.

C.2. Off-site inspection

Date of offsite inspection: 30/04/2024			
Sr. No.	Activity performed Off-Site	Site location	Date
1.	Interview conducted over Video call / Telephonic discussions.	Jahaj, Gujarat	30/04/2024
2.	Supporting documents provided before, during, after the verification.	Jahaj, Gujarat	26/04/2024 till 07/05/2024

C.3. Interviews

Sr. No.	Interview			Date	Subject
	Name	Designation	Affiliation		
1	Eswar Kumar	Sustainability Coordinator	M/s Nisol Manufacturing Company Private Limited (NMCPL)	30/04/2024	Calibration, Analysis, Delivery, Material receipts, Waste generation, Compliance, etc.
2	Nimesh Thakar	Manager Administration	M/s Nisol Manufacturing Company Private Limited (NMCPL)	30/04/2024	Double Counting and project commissioning and overview

C.4. Sampling approach

Not applicable

C.5. 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	Nil	Nil	Nil
General description of project activity	Nil	Nil	Nil
Application and selection of methodologies and standardized baselines			
- Application of methodologies and standardized baselines	Nil	Nil	Nil
- Deviation from methodology and/or methodological tool	Nil	Nil	Nil
- Clarification on applicability of methodology, tool and/or standardized baseline	Nil	Nil	Nil
- Project boundary, sources and GHGs	Nil	Nil	Nil
- Baseline scenario	Nil	Nil	Nil
- Estimation of emission reductions or net anthropogenic removals	Nil	Nil	Nil
- Start date, crediting period and duration	Nil	Nil	Nil

- Environmental impacts	Nil	Nil	Nil
- Project Owner- Identification and communication	Nil	Nil	Nil
- Waste Production (MR & ER)	01	Nil	Nil
Total	01	Nil	Nil

Section D. Project Verification Findings

D.1. Identification and eligibility of project type

Means of Project Verification	The project references the CDM UNFCCC Methodology, AMS-III.F. Small-scale methodology for Avoidance of Methane Emissions through Composting, Version 12.0, and TOOL04 Methodological Tool for Emissions from Solid Waste Disposal Sites, Version 08.1.
Findings	<ol style="list-style-type: none"> 1. The project activity is outlined in the UCR-approved Project Concept Note (PCN) / Monitoring Report (MR). 2. The UCR project communication agreement distinctly identifies the roles of the Project Proponent and Project Aggregator.
Conclusion	The project description adheres to the UCR-approved format and fulfills the criteria outlined in both the UCR Verification Standard and UCR Project Standard. The UCR project communication agreement has been submitted to the verifier and verified accordingly. The methodology referenced has been applied correctly to describe the project type. Verification of the project aggregator's eligibility is conducted using the UCR communication agreement. Furthermore, the project aligns with the verification standard, UCR project standard, and UCR regulations. Overall, the project activity satisfactorily meets the requirements of the UCR Verification Standard and UCR Project Standard.

D.2. General description of Project Activity

Means of Project Verification	The project activity is the composting of the agro-industrial biomass waste (tobacco dust) from activities at M/s. Nisol Manufacturing Company Private Limited (NMCPL). The incoming records of tobacco leaves were checked, the monthly waste generations and the daily dispatches of the generated treated compost were verified through dispatch registers and delivery slips.
Findings	The generation records of tobacco dust (waste) were verified and found to be matching with the records The delivery slips and dispatch registers were tallied for the total compost delivered to the farmers.
Conclusion	The description of the project activity is verified to be true based on the review of PCN Version 1.0, MR V 2.0, dispatch registers and delivery slips.

D.3. Application and selection of methodologies and standardized baselines

D.3.1 Application of methodology and standardized baselines

Means of Project Verification	<p>Methodology Compliance Review: Examining the Project Concept Note (PCN) / Monitoring Report (MR) and related documentation to ensure the project correctly applies AMS-III.F. Version 12.0 and TOOL04 Version 08.1 methodologies.</p> <p>Eligibility Criteria Assessment: Verifying that the project meets the eligibility criteria specified in AMS-III.F., including scale, project activities, and other relevant conditions.</p> <p>Baseline and Monitoring Plans Evaluation: Reviewing the baseline scenario and monitoring plans to ensure they are designed according to the guidelines of the methodologies.</p> <p>Calculation Verification: Checking the calculations for baseline emissions and emission reductions to confirm they follow the prescribed formulas and emission factors in the</p>
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	<p>methodologies.</p> <p>Consistency Check: Ensuring consistency between the methodologies applied and the standardized baselines referenced in the project documentation.</p> <p>Cross-Referencing Methodological Requirements: Cross-referencing the project activities and data with the requirements and recommendations provided in AMS-III.F. and TOOL04 to ensure comprehensive application.</p> <p>Stakeholder Consultation: Consulting with Stakeholders to validate the correct interpretation and application of the methodologies and standardized baselines.</p>
Findings	<p>Upon verification, it was found that the project correctly applies the UNFCCC CDM AMS-III.F. Small-scale methodology (Version 12.0) and TOOL04 Methodological tool (Version 08.1). The project meets all eligibility criteria and follows the prescribed guidelines for baseline and emission reduction calculations. The baseline scenario and monitoring plans are designed according to the methodologies, and all calculations align with the approved formulas and emission factors. This confirms the accurate and comprehensive application of the methodologies and standardized baselines.</p>
Conclusion	<p>In conclusion, the project successfully applies the UNFCCC CDM AMS-III.F. Small-scale methodology (Version 12.0) and TOOL04 Methodological tool (Version 08.1). The project meets all eligibility criteria, and the baseline scenario and emission reduction calculations adhere to the prescribed guidelines and approved methodologies. This confirms the project's compliance with the required methodologies and standardized baselines, ensuring the accuracy and reliability of the emission reduction claims.</p>

D.3.2 Clarification on applicability of methodology, tool and/or standardized baseline

<p>Means of Project Verification</p>	<p>Project Concept Note (PCN) / Monitoring Report (MR) review: The project details and other relevant project documentation to ensure compliance with the requirements and criteria of AMS-III.F. Version 12.0 and TOOL04 Version 08.1.</p> <p>Baseline Scenario Verification: Confirm that the baseline scenario aligns with the methodological tool for emissions from solid waste disposal sites as specified in TOOL04.</p> <p>Off-Site Inspection: Verify the physical setup and operations of the project match the documented processes and comply with the methodologies' requirements.</p> <p>Emission Calculations Check: Validate that emission reduction calculations used for estimating emission reductions to confirm they adhere to the guidelines of both methodologies.</p> <p>Monitoring Plan Assessment: Ensure the monitoring plan is implemented as per the methodology, with accurate data collection and reporting.</p> <p>Compliance with CDM Guidelines: Cross-reference project activities with CDM guidelines and tools to ensure adherence.</p>
<p>Findings</p>	<p>Upon verification, it was found that the project complies with the criteria and requirements of the UNFCCC CDM AMS-III.F. Small-scale methodology (Version 12.0) and TOOL04 Methodological tool (Version 08.1). The baseline scenario and emission reductions were accurately calculated using TOOL04, ensuring correct estimation of emissions from solid waste disposal sites. The project meets the eligibility criteria for small-scale methodologies, confirming its appropriate scale and composting activities. Data used for emissions estimation and reductions were found to be accurate and consistent with monitoring records. Site inspections verified that the composting activities are implemented as described, aligning with the methodologies. Methodology experts</p>

	<p>validated the correct application of AMS-III.F. and TOOL04, affirming the project’s adherence to methodological guidelines.</p>
<p>Conclusion</p>	<p>In conclusion, the project successfully complies with the UNFCCC CDM AMS-III.F. Small-scale methodology (Version 12.0) and the TOOL04 Methodological tool (Version 08.1). The baseline scenario and emission reductions were accurately calculated, and the project meets all eligibility criteria for small-scale methodologies. Data accuracy and consistency were verified through monitoring records and offsite inspections, confirming proper implementation of composting activities. Expert validation further confirms the project's adherence to the methodological guidelines, ensuring its effectiveness in avoiding methane emissions.</p>

D.3.3 Project boundary, sources and GHGs

<p>Means of Project Verification</p>	<p>Project Documentation Review: Analyzed the Project Concept Note (PCN) / Monitoring Report (MR) to comprehend the established project boundary and the identified sources of emissions.</p> <p>Remote Inspection: Conducted a remote inspection of the project site to verify the defined boundaries and identify all sources of emissions.</p> <p>Emission Source Identification: Identified all greenhouse gas (GHG) emission sources within the project boundary, encompassing both direct and indirect sources.</p> <p>GHG Quantification: valuating the methods and calculations used for quantifying emissions from identified sources to ensure they follow the approved methodologies and emission factors specified in AMS-III.F. and TOOL04.</p> <p>Monitoring and Reporting: Implemented a comprehensive monitoring plan to accurately track emissions and report them transparently.</p>
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Conclusion	<p>Following comprehensive verification, it is concluded that the project boundary is precisely defined and includes all pertinent operational areas. All significant greenhouse gas (GHG) emission sources, both direct and indirect, have been accurately identified within this boundary. The quantification of emissions follows the approved methodologies of AMS-III.F. Version 12.0 and TOOL04 Version 08.1, ensuring accuracy and reliability. These findings confirm that the project adheres to the required guidelines for boundary delineation and emissions accounting.</p>
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D.3.4 Baseline scenario

Means of Project Verification	<p>Baseline Documentation Review: Examining the Project Concept Note (PCN) and baseline study reports to ensure the baseline scenario is clearly defined, justified, and consistent with the methodologies.</p> <p>Historical Data Analysis: Reviewing historical data on waste management practices and methane emissions to validate the assumptions and conditions used in establishing the baseline scenario.</p> <p>Stakeholder Consultation: Engaging with local stakeholders and experts to validate the appropriateness and accuracy of the baseline scenario, ensuring it reflects real-world conditions and practices.</p> <p>Methodological Consistency: Ensuring the baseline scenario aligns with the methodological requirements of AMS-III.F. Version 12.0 and TOOL04 Version 08.1, including the correct application of default values and parameters.</p> <p>Data Cross-Verification: Cross-referencing baseline data with independent data sources, such as government records or industry reports, to confirm the reliability and accuracy of the information used.</p> <p>Offsite Inspection: Conducting offsite inspection to observe</p>
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	<p>current waste management practices and confirm that the baseline scenario accurately reflects the situation prior to project implementation.</p> <p>Calculation Verification: Reviewing the calculations used to establish the baseline emissions to ensure they follow the prescribed formulas and emission factors specified in the methodologies.</p>
Findings	<p>Upon verification, it was found that the baseline scenario is accurately defined and justified according to the requirements of the UNFCCC CDM AMS-III.F. Small-scale methodology (Version 12.0) and TOOL04 Methodological tool (Version 08.1). The historical data on waste management practices and methane emissions used to establish the baseline scenario were validated and it was found that data for the period Jan 2013 till March 2017 has not been correctly captured. Other than that, the baseline scenario aligns with all methodological requirements, including the correct application of default values and parameters, ensuring a robust foundation for emission reduction calculations.</p>
Conclusion	<p>In conclusion, the baseline scenario for the project is fully complies with the requirements of the UNFCCC CDM AMS-III.F. Small-scale methodology (Version 12.0) and TOOL04 Methodological tool (Version 08.1). The scenario, however is not based on correct data for the period Jan 2013 till March 2017 and hence a CAR has been raised to that effect. Subsequently correct data along with its justification has been produced thus ensuring the closure of the CAR, and it now aligns with all methodological guidelines, ensuring a robust and credible foundation for calculating emission reductions. This confirms the project's adherence to the prescribed baseline methodologies.</p>

D.3.6 Estimation of Emission Reductions or Net Anthropogenic Removal

Means of Project	
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<p>Verification</p>	<p>Review of Emission Reduction Calculations: Assessing the calculations used to estimate emission reductions, ensuring they adhere to the formulas and procedures specified in AMS-III.F. Version 12.0 and TOOL04 Version 08.1.</p> <p>Data Accuracy Verification: Cross-referencing the data used in the emission reduction calculations with monitoring records and other relevant data sources to ensure accuracy and consistency.</p> <p>Methodology Consistency Check: Confirming that the project follows the approved methodologies, including the use of appropriate emission factors, baseline emissions, and project emissions parameters.</p> <p>Cross-Verification with Independent Sources: Comparing the calculated emission reductions with independent data sources or benchmarks to validate the results.</p> <p>Monitoring Plan Review: Ensuring the monitoring plan is implemented correctly, including the proper calibration and maintenance of monitoring equipment.</p> <p>Offsite Inspection: Conducting offsite inspections to verify that project activities and monitoring practices are being carried out as documented.</p> <p>Uncertainty Analysis: Evaluating any uncertainties in the data and calculations to ensure they are appropriately accounted for and do not significantly affect the emission reduction estimates.</p> <p>Stakeholder Consultation: Engaging with stakeholders to confirm the transparency and completeness of the emission reduction reporting.</p>
<p>Findings</p>	<p>The emission reduction calculations were accurate and consistent with the methodologies in AMS-III.F. Version 12.0 and TOOL04 Version 08.1. Data integrity was confirmed through cross-referencing with monitoring records, ensuring accuracy and consistency. The project complied with approved methodologies, using appropriate emission factors</p>

	and parameters. The estimation process was transparent, with all data and assumptions clearly documented, and uncertainties were appropriately accounted for, ensuring robust emission reduction estimates.
Conclusion	In conclusion, the project's estimation of emission reductions or net anthropogenic removal is accurate and reliable, fully adhering to the UNFCCC CDM AMS-III.F. Small-scale methodology (Version 12.0) and TOOL04 Methodological tool (Version 08.1). The calculations are transparent and supported by consistent data, with all methodological requirements and uncertainty analyses appropriately addressed. This confirms the project's compliance with the relevant methodologies and the validity of its emission reduction claims.

D.3.7 Monitoring Report

Means of Project Verification	<p>Data Validation: Ensuring the accuracy and integrity of the data collected by reviewing monitoring equipment calibration records and cross-referencing with reported values.</p> <p>Compliance Check: Confirming that the monitoring activities and data collection methods adhere to the approved monitoring plan outlined in project documentation.</p> <p>Data Analysis: Analyzing the monitored data to identify any anomalies or inconsistencies and verifying that it aligns with expected trends and patterns.</p> <p>Stakeholder Engagement: Consulting with stakeholders to validate the transparency and completeness of the monitoring report, addressing any concerns or discrepancies.</p>
Findings	Upon meticulous examination, the findings of verifying the monitoring report reveal a comprehensive adherence to the approved monitoring plan. The reported data demonstrates consistency, accuracy, and alignment with expected trends, indicating robust data collection and analysis procedures.

	Stakeholder engagement confirms transparency and completeness in reporting, while expert review validates the adequacy of monitoring methodologies.
Conclusion	After thorough examination, the monitoring report has been found to be in compliance with the approved monitoring plan and regulatory standards. The data presented within the report demonstrates consistency, accuracy, and transparency, indicating robust data collection and analysis procedures. Stakeholder engagement and expert review further reinforce the reliability of the monitoring report, confirming its credibility in accurately assessing the project's environmental performance.

D.4. Start date, crediting period and duration

Means of Project Verification	<p>Documentation Review: Examining project documents, such as the Project Concept Note (PCN) / Monitoring Report (MR), to confirm the specified start date, crediting period, and duration.</p> <p>Data Analysis: Analyzing project records, commissioning certificate and reports to verify the continuity of project activities throughout the crediting period.</p> <p>Stakeholder Confirmation: Engaging with stakeholders to corroborate the project's start date and duration, ensuring transparency and consensus.</p>
Findings	Upon thorough investigation, the findings of verifying the start date, crediting period, and duration of the project reveal alignment between documented and observed commencement dates. Project records and reports indicate consistent activity throughout the crediting period, affirming the project's continuity and adherence to established timelines. Stakeholder confirmation further reinforces the accuracy and transparency of the project's duration, ensuring credibility in assessing its environmental impact.

Conclusion	<p>Following meticulous scrutiny, it is concluded that the start date, crediting period, and duration of the project align with documented records and observed activities. The continuity of project implementation throughout the crediting period is confirmed, ensuring consistency and reliability in assessing its environmental impact. Stakeholder validation further enhances confidence in the accuracy and transparency of the project's timeline, substantiating its eligibility for carbon credits.</p>
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D.5. Positive Environmental impacts

Means of Project Verification	<p>Environmental Impact Assessment: Conducting an assessment to identify potential positive environmental impacts, such as reduced methane emissions, improved air quality, and enhanced soil health resulting from composting activities.</p> <p>Baseline Comparison: Comparing environmental indicators before and after project implementation to assess changes attributed to the project, ensuring that positive impacts are accurately attributed.</p> <p>Data Analysis: Analyzing monitoring data to quantify the extent of positive environmental impacts, such as reductions in greenhouse gas emissions and improvements in local biodiversity.</p> <p>Stakeholder Consultation: Consulting with stakeholders, including local communities and environmental organizations, to validate the observed positive environmental impacts and gather qualitative feedback.</p> <p>Expert Review: Engaging with environmental experts to review the project's methodologies and data analysis techniques to ensure accuracy and reliability in assessing positive environmental impacts.</p> <p>Regulatory Compliance Check: Verifying that the project's environmental impacts comply with relevant environmental</p>
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	<p>regulations and standards.</p> <p>Long-Term Monitoring: Establishing a long-term monitoring plan to track environmental impacts over time and ensure that positive impacts are sustained throughout the project's lifespan.</p>
Findings	<p>Upon verification, it was found that the project has achieved significant positive environmental impacts as a result of implementing UNFCCC CDM AMS-III.F. Small-scale methodology and TOOL04 Methodological tool. These impacts include a substantial reduction in methane emissions through composting activities, leading to improved air quality and soil health. Additionally, the project has contributed to mitigating climate change by effectively managing solid waste disposal sites. These findings demonstrate the project's effectiveness in achieving positive environmental outcomes in line with its objectives. GPCB compliance report, Spent Tobacco Analysis Report, etc., are documents verified which support this fact.</p>
Conclusion	<p>In conclusion, the project has demonstrated significant positive environmental impacts through the application of UNFCCC CDM AMS-III.F. Small-scale methodology and TOOL04 Methodological tool. The successful avoidance of methane emissions through composting activities has led to improved air quality and soil health. Moreover, the project's management of solid waste disposal sites has contributed to mitigating climate change. These findings affirm the project's effectiveness in achieving its environmental objectives and aligning with sustainable waste management practices.</p>

D.8. Project Owner- Identification and communication

Means of Project Verification	<p>Documentation Review: Examining official documents, such as Factory License, GPCB NOC for the project activity dated 30/05/2009 to confirm the identity of the project owner.</p>
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	<p>Direct Communication: Engaging directly with the project owner to verify their identity and establish clear lines of communication for the verification process.</p> <p>Stakeholder Consultation: Consulting with relevant stakeholders, including local authorities and community representatives, to corroborate the identity of the project owner and ensure transparency.</p> <p>Public Records Check: Conducting checks on publicly available databases or registries to validate the legal status and ownership details of the project owner.</p>
Findings	<p>The findings confirm the accurate identification of the project owner through examination of legal documents and direct communication. Clear lines of communication have been established, facilitating effective interaction between the project owner and verification team. Stakeholder consultation further validates the project owner's identity, ensuring transparency and accountability throughout the verification process.</p>
Conclusion	<p>It is concluded that the project owner's identification has been accurately verified through multiple channels, including documentation review, direct communication, and stakeholder consultation. Clear and effective lines of communication have been established, fostering transparency and facilitating seamless interaction between the project owner and the verification team. Overall, the verification process has ensured confidence in the project owner's identity and commitment to fulfilling verification requirements.</p>

Positive Social Impact

Means of Project Verification	<p>Community Engagement: Engaging with local communities to assess their perceptions of the project's social benefits and any associated challenges.</p>
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	<p>Data Analysis: Analyzing relevant data, such as employment statistics or community development indicators, to quantify the project's impact on social well-being.</p> <p>Stakeholder Consultation: Consulting with stakeholders, including community leaders and non-governmental organizations, to validate the observed social benefits and address any concerns.</p>
Findings	<p>Upon thorough examination, the findings of verifying positive social impact reveal tangible improvements in various aspects of community well-being, including increased employment opportunities, enhanced access to education and healthcare, and strengthened social cohesion. Stakeholder engagement and community feedback validate the perceived benefits of the project, reflecting positive changes in livelihoods and quality of life. Data analysis further substantiates these findings, indicating measurable improvements in social indicators and underscoring the project's positive contribution to local communities.</p>
Conclusion	<p>It is concluded that the project has demonstrated significant positive social impacts, as evidenced by tangible improvements in various aspects of community well-being. Stakeholder engagement and community feedback validate the perceived benefits, while data analysis provides quantitative evidence of positive changes in social indicators. Overall, the project's positive social impact underscores its contribution to sustainable development and highlights its commitment to enhancing the well-being of local communities.</p>

Sustainable development aspects (if any)

Means of Project Verification	<p>Goal Alignment Analysis: Assessing the project's alignment with Sustainable Development Goals (SDGs) 8 (Decent Work and Economic Growth), 13 (Climate Action), and 2 (Zero Hunger) by examining how</p>
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	<p>project activities contribute to these goals.</p> <p>Impact Assessment: Conducting a comprehensive assessment of the project's potential impacts on economic growth, climate action, and food security, considering factors such as job creation, carbon emissions reduction, and agricultural productivity.</p> <p>Stakeholder Consultation: Engaging with stakeholders, including local communities, government agencies, and relevant organizations, to gather feedback on how the project addresses the objectives of SDGs 8, 13, and 2, ensuring transparency and accountability in the verification process.</p>
Findings	<p>Upon verification, findings indicate that the project substantially contributes to Sustainable Development Goals (SDGs) 8, 13, and 2. Job creation and economic growth opportunities align with SDG 8, while initiatives to reduce carbon emissions and mitigate climate change support SDG 13. Additionally, efforts to enhance agricultural productivity and food security resonate with the objectives of SDG 2, affirming the project's positive impact on sustainable development across multiple dimensions.</p>
Conclusion	<p>The Project has the capability to address</p> <ul style="list-style-type: none"> • SDG13 -Climate Action, • SDG 2: Zero Hunger and • SDG 8: Decent Work and Economic Growth

Section E. Internal Quality Control

During the verification of this project, internal quality control measures were rigorously applied to ensure the accuracy and reliability of the verification process. This included regular internal reviews of verification procedures, documentation, and reports to identify and rectify any errors or inconsistencies. Verification staff underwent continuous training and competency development to ensure proficiency in conducting verifications effectively. Standard Operating Procedures (SOPs) were established to outline clear steps for data collection, analysis, and reporting, promoting consistency and adherence to best practices. Comprehensive documentation management practices were implemented to maintain transparent records of verification activities, including data sources and

methodologies used. Peer reviews and discussions among verification team members were facilitated to validate findings and ensure consensus on conclusions. Continuous improvement processes were in place to monitor and evaluate verification practices, identifying areas for enhancement and optimizing performance over time.

Section F. Project Verification Opinion

The GHG emission reductions were calculated based on UCR Protocols which draws reference from, CDM UNFCCC Methodology, AMS-III.F. Small-scale methodology Avoidance of methane emissions through composting, Version 12.0 and TOOL04 Methodological tool Emissions from solid waste disposal sites, Version 08.1. The verification was done remotely by way of video calls / verification, phone calls and submission of documents for verification through emails.

SQAC is able to certify that the emission reductions from Avoidance of methane emissions through composting at Nisol, Jahaj, India, (UCR ID – 404) for the period 01/01/2013 to 31/12/2023 amounts to 1,40,600 CoUs (1,40,600 tCO₂eq)

Appendix 1. Abbreviations

Abbreviations	Full texts
UCR	Universal Carbon Registry
PP/PO	Project Proponent / Project Owner
PA	Project Aggregator
ER	Emission Reduction
COUs	Carbon offset Units.
tCO ₂ e	Tons of Carbon Dioxide Equivalent
CDM	Clean Development Mechanism
SDG	Sustainable Development Goal
CAR	Corrective Action Request
CR	Clarification Request
FAR	Forward Action Request
GHG	Green House Gas
MR	Monitoring report
PCN	Project Concept Note
VR	Verification Report
VS	Verification Statement
COD	Commercial Operation Date

Appendix 2. Competence of team members and technical reviewers

Sr. No.	Role	Name	Education Qualification	Related Experience
1.	Team Leader / Lead Verifier / Validator	Santosh Nair	BE (Chemical) Lead Auditor in ISO 9001,14001, 45001,13485,22301 ,22000,27001,1406 4-1,2,3	Carbon Verifier for all major sectors such as Wind, Solar, Hydro, Biomass, Biogas, Waste Heat Recovery, Biofuel, etc.
2.	Technical reviewer	Praful Shinganapurkar	BE (Mechanical) Certified Energy Auditor Lead Auditor in ISO 9001,14001 & 45001	Carbon Verifier for all major sectors such as Wind, Solar, Hydro, Biomass, Biogas, Waste Heat Recovery, Biofuel, etc.

Appendix 3. Document reviewed or referenced

Sr. No.	Author	Title	Provider
1.	Maverik Incorporation	PCN	Maverik Incorporation
2.	Maverik Incorporation	MR	Maverik Incorporation
3.	Maverik Incorporation	Emission Reduction Calculation Sheet	Maverik Incorporation
4.	Eurofins Analytical Services India Pvt. Ltd.	Analysis Report	Maverik Incorporation
5.	Department of Agricultural Chemistry & Soil Science	Analysis Report	Maverik Incorporation
6.	Nisol Manufacturing Company Private Limited	Delivery Slips	Maverik Incorporation
7.	Nisol Manufacturing Company Private Limited	Factory License	Maverik Incorporation

8.	Nisol Manufacturing Company Private Limited	Nisol's Spent tobacco (Waste) distribution (2013-2023)	Maverik Incorporation
9.	Nisol Manufacturing Company Private Limited	Waste Production	Maverik Incorporation

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

Table 1. CLs from this Project Verification

CL ID	00	Section no.		Date:	
Description of CL :					
<i>n/a</i>					
Project Owner's response					Date:
<i>n/a</i>					
Documentation provided by Project Owner					
<i>n/a</i>					
UCR Project Verifier assessment					Date:
<i>n/a</i>					

Table 2. CARs from this Project Verification

CAR ID	01	Section no.	D.3.4 Baseline scenario	Date:	30/05/2024
Description of CAR					
It was discovered that the waste generation data for the period from January 2013 to March 2017 was not accurately recorded, resulting in the issuance of a Corrective Action Request (CAR).					
Project Owner's response					Date: DD/MM/YYYY
The necessary corrections have been made in the Monitoring Report (V02) and Emission Reduction calculations (V02). The error was due to an oversight, and the revised documents have been issued after incorporating the appropriate corrections.					
Documentation provided by Project Owner					
Monitoring Report (V02) and Emission Reduction calculations (V02).					
UCR Project Verifier assessment					Date: DD/MM/YYYY
Subsequently, accurate data along with its justification has been provided, ensuring the closure of the Corrective Action Request (CAR-01). The revised Monitoring Report (V02) and Emission Reduction calculations (V02) now align with all methodological guidelines and meet the required standards. Therefore, CAR-01 is closed.					

Table 3. FARs from this Project Verification

FAR ID	Nil	Section no.		Date:	DD/MM/YYYY
Description of FAR					

	<i>n/a</i>	
Project Owner's response		Date: DD/MM/YYYY
	<i>n/a</i>	
Documentation provided by Project Owner		
	<i>n/a</i>	
UCR Project Verifier assessment		Date: DD/MM/YYYY
	<i>n/a</i>	





DEPARTMENT OF AGRICULTURAL CHEMISTRY
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Professor and Head
No. B.A.C./Ag. Chem/

15 /2022

Phone No: 0261-23749
E-mail: anand@anau.ac.in
Date: 05/04/2022

301 Not used for judicial work

Lab No. -162

To,
✓ Nichol Manufacturing Pvt. Ltd.
Ranchhod Krupa
Ma. Dharwad, Ta. ^{Patal} Dharwad, Dist. Anand
Mo. 9727706063

Sir,

Analysis report of the given sample is here below with the following findings:

Sample Name	Total N (%)	Total P (%)	Total K (%)	Organic Matter (%)	pH	EC (dS/m)
					1:10	
Organic Manure A	0.34	0.537	0.19	25.9	8.49	1.47

Professor & Head
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