



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	23/08/2025
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. Nimitkumar U 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



<p>activity and therefore confirms the following:</p>	<p>Project Activity Avoidance of Methane Emissions through composting at Nisol, Jahaj, India., by Nisol Manufacturing Company Pvt Ltd.</p> <p><input checked="" type="checkbox"/> The Project Owner has correctly described the Project Activity in the Project Concept Note dated 02/01/2024 and Monitoring Report V2 of the second monitoring period dated 28/07/2025 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.</p> <p><input checked="" type="checkbox"/> The Project Activity is generating GHG emission reductions amounting to the estimated 17,453 tCO₂e, 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.</p> <p><input checked="" type="checkbox"/> The Project Activity is not likely to cause any net-harm to the environment and/or society</p>
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	<input checked="" type="checkbox"/> 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	Second Monitoring Period Verification Report UCR Project ID: 404 dated 23/08/2025
Name of the authorised personnel of UCR Project Verifier and his/her signature with date	<div></div> <div>Santosh Nair Lead Verifier (Signature) SQAC Certification Pvt Ltd</div>

PROJECT VERIFICATION REPORT

Section A. Executive summary

Maverik Incorporation engaged SQAC Certification Pvt. Ltd. to conduct the verification for the second monitoring period of the UCR-registered project “Avoidance of Methane Emissions through Composting at Nisol, Jahaj, India” (Project ID: 404). This verification covers the crediting period from 01 January 2024 to 31 December 2024, spanning a duration of one year.

Based on our review, the greenhouse gas (GHG) emission reductions reported in Monitoring Report Version 2 (MR) are found to be consistent with the requirements of the UCR framework. The calculations follow the UCR Protocol, which references the CDM UNFCCC methodology AMS-III.F (Small-scale methodology: Avoidance of methane emissions through composting, Version 12.0) and the TOOL04 Methodological Tool for Emissions from Solid Waste Disposal Sites, Version 08.1.

The verification was performed remotely in accordance with UCR guidelines, using video conferencing, telephone discussions, and the examination of documentary evidence submitted electronically.

SQAC hereby confirms that the verified emission reductions achieved by the project activity during the period **01 January 2024 to 31 December 2024** amount to **17,453 CoUs**, equivalent to **17,453 tCO₂e**.

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

During the verification process, the Lead Verifier received from Maverik Incorporation a complete set of project-related documentation for detailed examination. The submission included the Project Concept Note (PCN), the Monitoring Report (MR), commissioning and calibration certificates, laboratory analysis reports, delivery records, factory license, production waste data sheets, the compliance report linked to the CTO amendment, the GPCB No Objection Certificate (NOC), along with other supporting information provided upon request. Each document was carefully assessed to confirm alignment with applicable standards and guidelines, and to verify the reliability, accuracy, and completeness of the data presented for this project.

C.2. Off-site inspection

Date of offsite inspection: 12/08/2025			
Sr. No.	Activity performed Off-Site	Site location	Date
1.	Interview conducted over Video call / Telephonic discussions.	Jahaj, Gujarat	12/08/2025
2.	Supporting documents provided before, during, and after the verification.	Jahaj, Gujarat	06/08/2025 till 22/08/2025

C.3. Interviews

Sr. No.	Interview			Date	Subject
	Name	Designation	Affiliation		
1	Eswar Kumar	Sustainability Coordinator	M/s Nisol Manufacturing Company Private Limited (NMCPL)	12/08/2025	Calibration, Analysis, Project commissioning, Waste generation, and overview.
2	Nimesh Bhai	Manager Administration	M/s Nisol Manufacturing Company Private Limited (NMCPL)	12/08/2025	Double Counting, Delivery, Material receipts, Compliance, etc

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
- Others (please specify)	Nil	Nil	Nil
Total	Nil	Nil	Nil

Section D. Project Verification Findings

D.1. Identification and eligibility of project type

Means of Project Verification	<p>Reviewed the UCR Project ID 404 registration details and confirmation in the Monitoring Report (MR) to verify the project title, location, and ownership.</p> <p>Checked the applied methodology (AMS-III.F, Version 12.0) and methodological tool (TOOL04, Version 08.1) to ensure it matches the registered project scope under Sectoral Scope 13: Waste Handling and Disposal.</p> <p>Examined the project description and process flow in the MR to confirm it involves composting of agro-industrial biomass waste (tobacco dust) as per the eligibility criteria.</p> <p>Verified that the annual emission reductions claimed (17,453 tCO₂e) are within the small-scale project limit of ≤60 ktCO₂e/year, as required by the applied methodology.</p> <p>Cross-checked the absence of double counting by confirming no registration under any other voluntary or compliance carbon credit program.</p>
Findings	<p>Upon verification, it was found that the project activity “Avoidance of Methane Emissions through Composting at Nisol, Jahaj, India” meets the eligibility requirements under the applied methodology AMS-III.F (Version 12.0) and the UCR framework. The project scope, type of waste treated, and</p>

	composting technology are consistent with the registered design. The claimed emission reductions for the monitoring period remain well within the threshold for a small-scale project, and there is no evidence of the project being registered or credited under any other carbon standard, thereby avoiding double counting.
Conclusion	In conclusion, the identification and eligibility of the project type have been appropriately demonstrated and are in line with the approved methodology, sectoral scope, and UCR requirements. The project's design and operational approach remain consistent with the registered documentation, confirming its continued qualification for carbon credit issuance for the current monitoring period.

D.2. General description of Project Activity

Means of Project Verification	<p>Reviewed Section A and B of the Monitoring Report (MR) to verify the project's location, ownership, operational status, and technology used.</p> <p>Cross-checked the project's process flow for composting agro-industrial biomass waste (tobacco dust) with supporting documents such as production waste sheets, distribution records, and delivery slips.</p> <p>Examined supporting evidence including GPCB NOC, compliance report, and commissioning certificate to confirm regulatory adherence and continuous operation.</p> <p>Verified the description of composting technology, operational procedures, and handling practices to ensure alignment with the registered project design.</p> <p>Assessed photographs and visual evidence provided in the MR showing composting facility operations and compost distribution to farmers.</p>
Findings	Upon verification, it was found that the project activity involves the aerobic composting of agro-industrial biomass waste (tobacco dust) generated at the Nisol Manufacturing Company

	<p>Pvt. Ltd. facility in Jahaj, Gujarat. The composting process is carried out in designated warehouses with concrete flooring to prevent leachate seepage, and the treated compost is distributed directly to farmers for soil application. The project prevents methane emissions that would have occurred had the waste been disposed of in unmanaged solid waste disposal sites. The operational practices, technology in use, and waste handling procedures are consistent with the registered project design and demonstrate compliance with environmental and safety regulations.</p>
Conclusion	<p>In conclusion, the project activity has been accurately described and reflects the operational setup as per the registered UCR documentation. The technology, process flow, and waste management approach remain consistent with the approved methodology, ensuring that the emission reductions achieved are directly attributable to the continued implementation of the composting project.</p>

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

D.3.1 Application of methodology and standardized baselines

Means of Project Verification	<p>Reviewed the Monitoring Report (MR) to confirm the applied methodology is AMS-III.F (Small-scale methodology: Avoidance of methane emissions through composting, Version 12.0) along with TOOL04 (Emissions from Solid Waste Disposal Sites, Version 08.1).</p> <p>Checked that the project activity falls under Sectoral Scope 13: Waste Handling and Disposal as per UCR classification.</p> <p>Verified that the methodology requirements—composting of biomass waste, aerobic treatment, and direct soil application without anaerobic storage—are met in the operational process.</p> <p>Cross-checked the monitoring parameters and calculation approach in the MR against the methodology provisions to ensure compliance.</p>
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	Ensured that the project's emission reduction calculations use the prescribed first-order decay (FOD) model parameters and factors as stated in the methodology.
Findings	Upon verification, it was found that the project has applied the AMS-III.F methodology (Version 12.0) correctly, supported by the TOOL04 methodological tool for estimating emissions from solid waste disposal sites. The composting of agro-industrial biomass waste (tobacco dust) is performed aerobically, with no co-composting of wastewater or addition of blending materials. The emission reductions have been calculated using the first-order decay model parameters prescribed in the methodology, with relevant default factors applied where required. The methodology application aligns with UCR requirements, and the monitoring plan follows the same framework as approved in the registered documentation.
Conclusion	In conclusion, the selection and application of the methodology and standardized baseline are appropriate for the project activity and are consistent with the project's scope, technology, and operational practices. The methodology has been implemented as intended, ensuring the credibility and accuracy of the reported GHG emission reductions for the monitoring period.

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

Means of Project Verification	<p>Reviewed the applicability conditions of AMS-III.F (Version 12.0) and confirmed alignment with the project's waste type, treatment process, and operational setup.</p> <p>Verified that the project meets the methodology requirement for aerobic composting without anaerobic storage and without co-composting of wastewater.</p> <p>Checked that the waste source (tobacco dust) is agro-industrial biomass waste with largely homogeneous properties, as described in the MR and supported by production waste sheets.</p> <p>Confirmed that the project activity avoids methane emissions by preventing disposal of waste in unmanaged solid waste disposal sites (SWDS), consistent with TOOL04 applicability conditions.</p> <p>Validated that the annual emission reductions are within the ≤ 60 ktCO₂e/year limit for small-scale projects under the selected methodology.</p>
Findings	<p>Upon verification, it was found that all applicability conditions outlined in AMS-III.F (Version 12.0) and TOOL04 (Version 08.1) are fulfilled by the project activity. The waste treated is a single, well-characterized biomass stream (tobacco dust) sourced from the project proponent's operations. The composting process is fully aerobic and involves direct application of compost to agricultural fields without anaerobic storage. The baseline scenario—unmanaged disposal of waste in SWDS—has been correctly identified, and the emission reductions claimed are within the permissible limit for small-scale projects.</p>
Conclusion	<p>In conclusion, the methodology AMS-III.F and TOOL04 are fully applicable to the project activity, and their use is justified based on the waste characteristics, treatment process, and baseline scenario. The project continues to meet all applicability criteria, supporting the credibility of the reported</p>

	GHG emission reductions for the current monitoring period.
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D.3.3 Project boundary, sources and GHGs

Means of Project Verification	<p>Reviewed Section C.4 of the Monitoring Report (MR) to confirm the defined project boundary, including waste source, composting facility, and compost application sites.</p> <p>Checked the baseline emission sources (methane from unmanaged solid waste disposal sites) and project emission sources (transport and composting process) as outlined in the methodology.</p> <p>Verified that the greenhouse gases considered—CH₄ for baseline emissions, and CO₂ and N₂O for project emissions—are consistent with AMS-III.F requirements.</p> <p>Cross-checked supporting evidence such as waste delivery slips, weighbridge calibration certificate, and waste distribution records to confirm waste handling within the project boundary.</p> <p>Assessed that the geographical boundary definition and operational activities match those described in the registered project documentation.</p>
Findings	<p>Upon verification, it was found that the project boundary has been clearly defined to include:</p> <ul style="list-style-type: none"> (a) the site where waste would have been disposed of in the absence of the project; (b) the composting facility where biomass waste is aerobically treated; and (c) the agricultural fields where the compost is applied. <p>The baseline emissions arise mainly from CH₄ generated by anaerobic decomposition in unmanaged solid waste disposal sites, while the project emissions include CO₂ and N₂O from the composting process and transport of compost to farms. No other significant GHG sources are applicable. The GHGs considered and the defined boundary are consistent with the registered methodology and UCR requirements.</p>

Conclusion	In conclusion, the project boundary, identified emission sources, and GHGs included in the calculations are appropriate and fully aligned with AMS-III.F and TOOL04 guidance. The boundary definition accurately reflects the physical and operational scope of the project and ensures that all relevant emissions are accounted for in the monitoring and verification process.
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D.3.4 Baseline scenario

Means of Project Verification	<p>Reviewed Section B.3 and C.5 of the Monitoring Report (MR) for the description of the baseline scenario and the calculation approach used.</p> <p>Checked that the baseline scenario involves disposal of biomass waste (tobacco dust) in unmanaged solid waste disposal sites (SWDS) leading to methane generation.</p> <p>Verified that the baseline emissions were estimated using the First Order Decay (FOD) model as per TOOL04 (Version 08.1), applying default parameters where required.</p> <p>Confirmed that no methane capture or destruction systems exist in the baseline scenario, as supported by project documentation and local waste management practices.</p> <p>Assessed that the baseline scenario is consistent with the one established at the time of project registration and remains valid for the current monitoring period.</p>
Findings	<p>Upon verification, it was found that the baseline scenario for the project activity represents the common waste management practice in the region—disposing of agro-industrial biomass waste in unmanaged SWDS without methane recovery. This disposal method results in anaerobic decomposition of the waste, producing methane emissions. The baseline emissions have been calculated using the FOD model in accordance with TOOL04, with parameters such as methane correction factor (MCF), degradable organic carbon (DOC), and oxidation factor applied as per methodology</p>

	defaults. No regulatory requirements exist for methane capture at such sites, and the scenario remains unchanged since project registration.
Conclusion	In conclusion, the baseline scenario is appropriately identified and described, reflecting the most likely situation in the absence of the project activity. The approach and assumptions used for baseline emissions calculation comply with AMS-III.F and TOOL04 requirements, ensuring the integrity of the emission reduction estimates for the current monitoring period.

D.3.5 Estimation of Emission Reductions or Net Anthropogenic Removal

Means of Project Verification	<p>Reviewed Section A.1(d) and corresponding calculation tables in the Monitoring Report (MR) to verify the reported emission reductions of 17,453 tCO₂e for the monitoring period 01/01/2024–31/12/2024.</p> <p>Checked the application of AMS-III.F (Version 12.0) and TOOL04 (Version 08.1) formulae, including the First Order Decay (FOD) model, for baseline methane emissions.</p> <p>Verified the parameters used (waste quantity, DOC, DOCf, MCF, oxidation factor, methane fraction, and GWP) against methodology defaults and project-specific data.</p> <p>Cross-checked waste generation figures (38,944.830 tonnes) from production waste sheets, weighbridge records, and distribution logs to ensure accuracy.</p> <p>Ensured that project emissions (2,835 tCO₂e) and leakage (nil) were accounted for in the net emission reduction calculation.</p>
Findings	Upon verification, it was found that the estimation of emission reductions for the monitoring period has been conducted in accordance with AMS-III.F and TOOL04 requirements. The baseline emissions were determined from the methane generation potential of the biomass waste diverted from unmanaged SWDS. The project emissions, primarily from

	compost transport and minimal process-related N ₂ O, were subtracted from the baseline emissions, with no leakage identified. The data sources, default factors, and calculation steps are transparent and traceable to the provided documentation. The resulting net GHG emission reductions for 2024 amount to 17,453 tCO₂e , matching the value reported in the MR.
Conclusion	In conclusion, the calculation of emission reductions for the current monitoring period is methodologically sound, consistent with the registered monitoring plan, and supported by verifiable data. The reported 17,453 tCO₂e of net GHG emission reductions is accurate and eligible for issuance under the UCR framework.

D.3.6 Monitoring Report

Means of Project Verification	<p>Reviewed the submitted Monitoring Report Version 2 (MR) for the period 01/01/2024 to 31/12/2024 to confirm its completeness and adherence to UCR guidelines.</p> <p>Checked that the MR contains all required sections, including project description, applied methodology, baseline scenario, monitoring parameters, data sources, and calculation of emission reductions.</p> <p>Verified consistency of data in the MR with supporting evidence such as waste records, weighbridge certificates, calibration reports, delivery slips, and production waste sheets.</p> <p>Ensured that all values reported in the MR are traceable to primary data and/or methodology defaults.</p> <p>Confirmed that the MR was prepared and submitted by the project proponent in the prescribed UCR format.</p>
Findings	<p>Upon verification, it was found that the Monitoring Report Version 2 comprehensively documents the project activity, monitoring approach, and emission reduction calculations for the second monitoring period. The report includes all mandatory sections and provides sufficient detail to allow independent verification. Data presented in the MR is consistent with the supporting documentation provided by the project proponent, and the methodology application aligns with the requirements of AMS-III.F and TOOL04. No inconsistencies or omissions were identified that would affect the credibility of the reported results.</p>
Conclusion	<p>In conclusion, the Monitoring Report for the period 01/01/2024 to 31/12/2024 is complete, accurate, and in full compliance with UCR requirements. The information provided is adequate to substantiate the reported GHG emission reductions and supports the verification process.</p>

D.4. Start date, crediting period and duration

Means of Project Verification	<p>Reviewed the Monitoring Report (MR) to confirm the project's start date, registration details, and approved crediting period under UCR.</p> <p>Cross-checked UCR Project ID 404 registration records to verify the start of crediting and the overall project duration.</p> <p>Verified that the second monitoring period covers 01/01/2024 to 31/12/2024, as stated in the MR and aligned with the registered crediting schedule.</p> <p>Ensured that the project remains within its approved crediting period and complies with UCR eligibility requirements for credit issuance.</p> <p>Confirmed that there have been no changes to the crediting period or project duration since the first monitoring period verification.</p>
Findings	<p>Upon verification, it was found that the project start date and crediting period are consistent with the information recorded at the time of registration under UCR. The second monitoring period covers a one-year duration from 01 January 2024 to 31 December 2024, falling fully within the approved crediting period. No revisions or extensions to the project duration have been made, and the project remains eligible for credit issuance during this period.</p>
Conclusion	<p>In conclusion, the start date, crediting period, and overall duration of the project are in accordance with UCR registration details and remain unchanged from the original approval. The second monitoring period has been correctly defined and is valid for verification and issuance of carbon credits.</p>

D.5. Positive Environmental impacts

Means of Project Verification	<p>Reviewed Section E of the Monitoring Report (MR) describing environmental co-benefits from the project activity.</p> <p>Verified supporting evidence such as waste distribution records to confirm that compost is supplied free of charge to local farmers, promoting sustainable agriculture.</p> <p>Checked that the composting process avoids open dumping and uncontrolled anaerobic decomposition, thereby preventing local air and water pollution.</p> <p>Assessed the contribution of the project to soil health improvement through the application of nutrient-rich compost.</p> <p>Reviewed regulatory compliance documents (e.g., GPCB NOC, compliance report) to confirm that the project meets applicable environmental regulations.</p>
Findings	<p>Upon verification, it was found that the project has generated several positive environmental impacts in addition to reducing GHG emissions. By diverting agro-industrial biomass waste from unmanaged disposal sites, the project prevents potential groundwater contamination from leachate and reduces foul odors associated with anaerobic decomposition. The produced compost is provided free of cost to local farmers, improving soil fertility, organic matter content, and moisture retention. This supports sustainable farming practices and reduces the need for chemical fertilizers. Furthermore, the project's operational practices align with environmental regulations, ensuring minimal negative impacts on the surrounding ecosystem.</p>
Conclusion	<p>In conclusion, the project delivers notable environmental co-benefits, including improved soil quality, reduced pollution risks, and promotion of sustainable agriculture. These benefits complement the project's primary objective of GHG emission reduction and contribute positively to local environmental sustainability.</p>

D.8. Project Owner- Identification and communication

Means of Project Verification	<p>Reviewed the Monitoring Report (MR) to confirm the name, address, and contact details of the project owner as registered under UCR Project ID 404.</p> <p>Cross-checked the project owner information with UCR registration records to ensure consistency.</p> <p>Verified that the project proponent has remained the same since the first monitoring period, with no changes in ownership or legal entity.</p> <p>Confirmed that communication between the verifier and project owner was established through official correspondence, emails, and document submissions.</p> <p>Ensured that all communications and document exchanges were conducted in accordance with UCR requirements for remote verification.</p>
Findings	<p>Upon verification, it was found that the project owner is Nisol Manufacturing Company Pvt. Ltd., located at Village Jahaj, Taluka Khambhat, District Anand, Gujarat, India. The ownership and legal entity details match those recorded at the time of project registration and remain unchanged. The project owner was responsive throughout the verification process, providing all requested documents and clarifications in a timely manner via email and other remote communication channels.</p>
Conclusion	<p>In conclusion, the project owner's identity has been clearly established and remains consistent with UCR registration records. Communication between the verifier and the project owner was effective, transparent, and in full compliance with UCR verification procedures</p>

Positive Social Impact

Means of Project Verification	<p>Reviewed Section E of the Monitoring Report (MR) for details of social co-benefits and their alignment with SDG 2 (Zero Hunger) and SDG 8 (Decent Work and Economic Growth).</p> <p>Verified that the compost produced is distributed free of cost to local farmers, reducing their expenditure on chemical fertilizers and improving soil health for better crop yields.</p> <p>Checked supporting evidence such as waste distribution records and photographic documentation of compost handover to beneficiaries.</p> <p>Assessed how the project's compost provision contributes to improved agricultural productivity and reduced dependency on synthetic inputs.</p> <p>Confirmed that the project has created local employment opportunities in compost processing, handling, and distribution.</p>
Findings	<p>Upon verification, it was found that the project delivers significant social benefits to the local community. By supplying nutrient-rich compost free of charge, it supports SDG 2 by improving soil fertility, boosting agricultural productivity, and reducing farmers' reliance on costly chemical fertilizers. The resulting improvement in crop yields can positively impact food security and farmer income. Additionally, the creation of local jobs in waste handling, compost production, and distribution advances SDG 8, promoting decent work and economic growth. These benefits are well-documented and directly attributable to the ongoing operation of the project.</p>
Conclusion	<p>In conclusion, the project's social impacts extend beyond GHG reduction, contributing to SDG 2 through enhanced agricultural productivity and to SDG 8 by generating local employment. These outcomes strengthen the project's role in delivering long-term socio-economic benefits to the community.</p>

Sustainable development aspects (if any)

Means of Project Verification	<p>Reviewed the Monitoring Report (MR) for references to environmental, social, and economic benefits linked to the project's operation.</p> <p>Cross-checked supporting evidence such as waste distribution records, delivery slips, and compliance reports to validate claimed sustainable development outcomes.</p> <p>Assessed the alignment of the project's co-benefits with SDG 13 (Climate Action), SDG 2 (Zero Hunger), and SDG 8 (Decent Work and Economic Growth) as reported in the MR.</p> <p>Verified that the project's activities contribute to environmental protection, rural economic support, and resource efficiency.</p> <p>Confirmed that no negative environmental or social impacts were reported or observed during the monitoring period.</p>
Findings	<p>Upon verification, it was found that the project contributes meaningfully to the Sustainable Development Goals stated in the MR. Under SDG 13, the project mitigates climate change by avoiding methane emissions from unmanaged waste disposal. For SDG 2, the free provision of nutrient-rich compost to farmers enhances soil fertility and supports improved agricultural productivity. In relation to SDG 8, the project generates local employment opportunities in waste handling, compost production, and distribution, thereby strengthening the local economy. These contributions are supported by verifiable evidence and align with the sustainable development objectives outlined in the MR.</p>
Conclusion	<p>In conclusion, the project supports the achievement of SDG Goals 13, 2, and 8 through measurable environmental, agricultural, and economic benefits. These sustainable development aspects complement the project's GHG mitigation efforts and enhance its overall value to the local community and environment.</p>

Section E. Internal Quality Control

For the current verification, robust internal quality control measures were implemented to uphold the accuracy and credibility of the process. This included systematic internal reviews of all verification activities, associated documentation, and draft reports to detect and correct any discrepancies. Verification personnel engaged in ongoing training and skill enhancement to maintain high levels of competence and consistency in their work. Established Standard Operating Procedures (SOPs) provided a clear framework for data collection, analysis, and reporting, ensuring alignment with best practices. Detailed documentation management systems were used to maintain transparent and traceable records of all verification activities, including data sources and applied methodologies. Peer reviews and collaborative discussions within the verification team were conducted to confirm the validity of findings and to achieve consensus on conclusions. A culture of continuous improvement was maintained, with regular evaluations of verification practices to identify opportunities for refinement and enhance overall performance.

Section F. Project Verification Opinion

The GHG emission reductions for the current monitoring period have been determined in accordance with UCR Protocols, referencing the CDM UNFCCC methodology AMS-III.F – Small-scale methodology: Avoidance of methane emissions through composting (Version 12.0) and the methodological tool TOOL04 – Emissions from Solid Waste Disposal Sites (Version 08.1). The verification process was conducted remotely, making use of video conferencing, telephone discussions, and submission of supporting documentation via email, in line with UCR guidelines.

Based on the evidence reviewed and the verification procedures carried out, SQAC Certification Pvt. Ltd. confirms that the emission reductions achieved by the project activity Avoidance of methane emissions through composting at Nisol, Jahaj, India (UCR ID – 404) for the monitoring period **01/01/2024 to 31/12/2024** amount to **17,453 CoUs** (equivalent to **17,453 tCO₂e**).

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 ,22000,27001,14064-1,2,3	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.	Analytical Report	Maverik Incorporation
5.	Legal Metrology, Gujarat	Weigh bridge calibration certificate	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 (2024)	Maverik Incorporation
9.	Gujarat Pollution Control Board	Consolidated Consent & Authorization	Maverik Incorporation

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

Table 1. CLs from this Project Verification

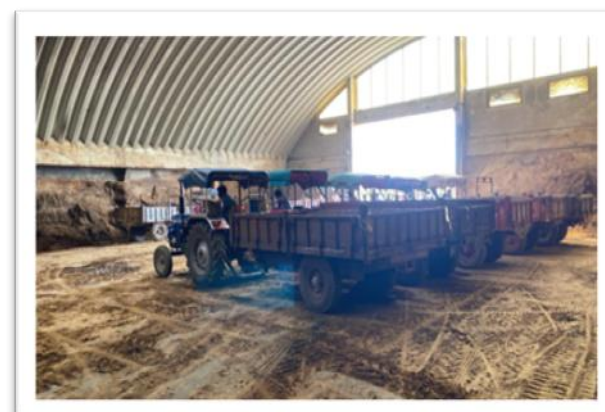
CL ID	00	Section no.		Date: DD/MM/YYYY
Description of CL :				
n/a				
Project Owner's response				Date: DD/MM/YYYY
n/a				
Documentation provided by Project Owner				
n/a				
UCR Project Verifier assessment				Date: DD/MM/YYYY
n/a				

Table 2. CARs from this Project Verification

CAR ID	00	Section no.		Date: DD/MM/YYYY
Description of CAR				
n/a				
Project Owner's response				Date: DD/MM/YYYY
n/a				
Documentation provided by Project Owner				
n/a				
UCR Project Verifier assessment				Date: DD/MM/YYYY
n/a				

Table 3. FARs from this Project Verification

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





Compliance of CTO:
M/s. Nisal Manufacturing Company Pvt. Ltd.
Survey No. 114/115 P, Village Jahaj, Sharnaj - Khambhat Road,
Taluka Khambhat, Dist: Anand - 388 585, Gujarat, INDIA

COMPLIANCE REPORT AS PER CTO AMENDMENT CONDITION

CTO NO. 1 - GPCR/CCA-AND-114/10-32158

NO.	DESCRIPTION OF CONDITIONS	STATUS	ACTIONS REQUIRED	FREQUENCY	
1.	CTO NO. - RWH- 32158 VALIDATION DATE 06/04/2019	Complied	--	--	
	The manufacture following proposed additional Products is existing:	Complied	--	--	
NO.	PRODUCTS	QUANTITY IN MT / Month	Company is manufacturing Nicotine Sulphate (40N)- 28 MT/Month at present scenario. Now increasing the demand, we will going to manufacture Nicotine Sulphate (40N)- 100 MT/Month.	Planning & Monitoring to ensure that production is not exceeding the consented capacity.	Monthly
1.	Nicotine Sulphate (40N)	50			
2.	Spent Tobacco Dust	2064			
Specific Condition as amended:					
1.	Applicant shall obtain amendment for B.G.Sat, water consumption and wastewater generation including the percolators in EC.	Company has already applied EC application for proposed expansion, EC application contain the revised water consumption, wastewater generation, source of Flue gas emission and hazardous waste. Application dated: 02/09/2022			
2.	Applicant shall install flow meter on waste water reuse line and maintain record of the same.	Complied Company has installed the flow meter on waste water reuse line.		Monthly	

Directorate Industrial Safety & Health
Gujarat State
FORM NO. 4
License to work a factory

Registration No. 42/1600-2009 License No. 7580
FIN. B21007580A D.A. 05-Mar-2009

License is hereby granted to
Mr. Ashish S. Patel
For the premises known as
NISAL MANUFACTURING COMPANY PVT LTD
situated at
Survey No. 114/115P, Village Jahaj
Ta: Khambhat Dist: Anand
for use as a factory within the limits specified in the plan approved by the
Joint Director Industrial Safety and Health, Baroda Region
vide No. 5582 Date 11-Dec-2009 subject to provisions of the
Factories Act, 1948 and the Rules made thereunder.

The license is issued for:
• Maximum Number of workers to be employed on any day during the Year: "500"
• Maximum installed power in B.H.P. on any day during the year: "1,000"

The license is valid up to 31st December 2027.

Fees paid Rs. 0.00
Fees due Rs. 0.00
Excess Rs. 0.00
Place : Anand
Date : 28-Sep-2022

Signature valid
Digitally signed by Ashish S. Patel
Date: 2022.09.28 14:45:31
Reason: Approved
Location: Anand

Assistant Director
Industrial Safety and Health
Anand



GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN, SECTOR 10-A,
GANDHINAGAR - 382010,
(T) 079-23232152

BY R.P.A.D

CONSOLIDATED CONSENT AND AUTHORIZATION (CC & A) CCA NO: AWH: 132586 Appl Type: CCA-Renewal

NO: GPCB/CCA-AND-114(2)/ID-32168/7844556 Date: 28/02/2024
In exercise of the power conferred under Section-25 of the Water (Prevention and Control of Pollution) Act - 1974, under Section - 21 of the Air (Prevention and Control of Pollution) Act - 1981 and Authorization under rule 62 of the Hazardous & Other Wastes (Management and Transboundary Movement) Rules-2016, framed under the Environment (Protection) Act-1986.
And whereas Board has received consolidated application dated 23/01/2024 and inward No. 303552 for the Consolidated Consent and Authorization (CC & A) of this Board under the provisions / rules of the aforesaid Acts, Consolidated Consent & Authorization is hereby granted as under.

CONSOLIDATED CONSENT AND AUTHORIZATION: (Under the provisions / rules of the aforesaid Environmental Acts)

To:
M/s. Nisol Manufacturing Company Pvt. Ltd.,
Plot No. 114/115P, Jahaj-388580,
Tal: Khambhat, Dist: Anand.

- Consent Order No.: AWH: 132586 date of issue 26/02/2024.
- The consent under Water Act-1974, Air Act-1981 & Authorization under Environment (Protection) Act, 1986 shall be valid up to 31/12/2028 to operate industrial plant for manufacturing of the following products.

Sr. No.	List of Products	Quantity
1	Nicotine Sulphate (40%)	150 MT/Month
2	Nicotine Alkaloid (95%)	25 MT/Month
3	Nicotine USP/EP	20 MT/Month
4	Leaf Powdering	8500 MT/Month
5	Spent Tobacco dust	8500 MT/Month

SPECIFIC CONDITION:

- Unit shall not carry out any activity which may attract the provisions of EIA Notification 2006 and its subsequent amendments.
- Applicant shall obtain prior permission of Central Ground Water Authority for withdrawal of ground water/use of bore wells.
- Management of Solid Waste generated from industrial activities shall be as per Solid Waste Management Rules-2016 (solid waste as defined in Rule-3 (46) and has to comply with the guidelines published time to time by the Central Pollution Control Board, New Delhi. (if applicable).
- Applicant shall comply with the provisions of the Plastic Waste Management Rules-2016 and has to comply with the guidelines published time to time by the Central Pollution Control Board, New Delhi. (if applicable).
- Applicant shall comply with the provisions of the E-Waste Management Rules-2016 and has to comply with the guidelines published time to time by the Central Pollution Control Board, New Delhi. (if applicable).

GPCB ID: 32168

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Clean Gujarat Green Gujarat
Website : <https://gpcb.gujarat.gov.in>

- Applicant shall comply with the provisions of the Construction and Demolition Waste Management Rules-2016 and has to comply with the guidelines published time to time by the Central Pollution Control Board, New Delhi. (if applicable).

3. CONDITION UNDER THE WATER ACT:

- The quantity of total water consumption shall not exceed **255.00 KL/Day** as per below break up as mentioned in form D submitted for consent application under the Water Act- 1974.
 - Industrial: **225.0 KL/Day**
 - Domestic: **30.0 KL/Day**
- Source of water: Bore well
- The quantity of total waste water generation shall not exceed **201.00 KL/Day** as per below break up as mentioned in form D submitted for consent application under the Water Act- 1974.
 - Industrial: **175.0 KL/Day**
 - Domestic: **26.0 KL/Day**
- Industrial effluent management:
 - Mode of disposal of treated industrial effluent: **Zero liquid discharge**
 - Description for treated industrial effluent disposal: **The generated industrial effluent shall be completely reuse back in to process. Thus unit shall maintain zero liquid discharge.**
- Domestic sewage management:
 - Mode of disposal of treated domestic sewage: **Plantation & gardening within premises.**
 - Description for treated domestic sewage disposal: **The generated sewage shall be treated in sewage Treatment Plant (STP) and treated sewage shall be utilized for plantation and gardening within premises after confirming following norms.**

Parameter	Permissible Limit
BOD (3 days at 27° C)	20 mg/l
Total Suspended Solids	30 mg/l
Residual Chlorine	0.5 ppm

- Flow meters (metering system) shall be installed at raw water source, STP inlet, STP outlet, reuse line for industrial waste water reuse and records shall be maintained in tamper proof manner.
 - Unit shall develop green belt within premises as per the CPCB guidelines. However, if the adequate land is not available within premises, the unit shall tie up with local agencies like gram panchayat, school, social forestry office etc. for the plantation at suitable open land in nearby locality and submit an action plan of plantation for next three years to GPCB.
 - Adequate plantation shall be carried out all along the periphery of the industrial premises in such a way that the density of plantation is at least 1500 trees per acre of land and a green belt of 10 meters width is developed.
 - Green belt of adequate width and density shall be provided in 33 % area to mitigate the effects of fugitive emissions all around the plant with local species in consultation with the DFO as per the CPCB guidelines.
- #### 4. CONDITIONS UNDER THE AIR ACT:
- Unit shall use fuel as specified in this consent and the flue gas emission through stack shall conform to the following standards:

GPCB ID: 32168

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GUJARAT GOVERNMENT GAZETTE, EX., 31-03-2011

[PART IV - A



Schedule VIII

(See rule 16(3))

Office of the Controller, Legal Metrology, Gujarat State
Certificate of Verification

Certificate No : 2985436/AND/2024/01

Name of Legal Metrology Officer: SMT M N SANCHALA No.: 111

Locality: Petlad

Date : 16/03/2024

I hereby certify that I have this day verified and stamped the under mentioned weights, measures, etc.

Belonging to: NISOL MANUFACTURING COMPANY PRIVATE LIMITED, Trader Type : NEW GOODS, Address : JAHAJ, JAHAJ, Country : INDIA, State : Gujarat, District : Anand, Taluka : Khambhat, Village : Jahaj, Pincode : 388620

Item Details							
Sub Category	Item	Description	Inst Type	Unit	Approved Units	Fees	VC Place
NON-AUTOMATIC WEIGHING INSTRUMENT	100t	MAKE LEOPARD, SRNO 13324, MAX 100TN, MIN 100kg, e-VALUE 510kg.	Immovable	1	1	2000.00	Outside Office

Total Rs. 4300.00 deposited vide T. Receipt/ Money receipt No.2482100 dated 15/03/2024
Repaired by/ Used by

FEE CALCULATION					
FEE	LATE FEE	HANDLING CHARGE	TA / DA	OTHER FEE	TOTAL
4000.00	0.00	100.00	200.00	0.00	4300.00

Next verification due on 16/03/2025

Note:-

- The trader/ user can present his weights and measures directly to the Legal Metrology Officer also.
- In the case of rejected weights, measures, etc the Legal Metrology Officer shall give separate Certificate of rejection mentioning the reasons of rejection against each item.



Batch code: EUINBA-00194063
Report code: AR-24-IR-075000-01

Report date: 02.08.2024

NISOL MANUFACTURING COMPANY PVT. LTD. - Anand
REG. OFFICE: RANCHHODKRUPA,
R.R. PATEL MARG,
AT- DHARMAL TALUKA - PETLAD,
388430 Anand,
Gujarat, INDIA

Mr NILANSHU GAJJAR

ANALYTICAL REPORT

Sample code: 258-2024-07010423 Report code: AR-24-IR-075000-01
Received on: 27.07.2024
Sample reference: Customer Provided Details :
Sampled on : Composite sample of 1st Week of May-24
PO No. NMCPL/24-25/NG/005
Date : 22/07/2024
Spent Tobacco (1st Week of May-24)
Sample name: 270g
Quantity received: Good
Condition on receipt: Food and Agricultural Products
Sample packing: Polythene Pack
Discipline: Chemical
Sampling: NOT SAMPLED BY EUROFINS

PHYSICAL			
Method	Result	Unit	LOQ
IR138 IR pH(10% Solution)	EASI-CHE-SOP-282	10.92	
CHEMICAL			
Method	Result	Unit	LOQ
IR467 IR Nitrogen	IS 7219	1.77 g/100 g	0.1
IR227 IR Total Chloride	AOAC 935 43	2.43 g/100 g	0.1
IR059 IR Total ash	AOAC 945 46	37.51 g/100 g	0.1
IR0V3 IR Total organic matters	EASI-CHE-SOP-213	58.34 g/100 g	
IRC26 IR Total Solids	AOAC 966 02	91.45 g/100 g	0.1
METAL CONTAMINANTS			
Method	Result	Unit	LOQ
IR1WR IR Copper (Cu)	EASI-CHE-SOP-44	9.34 mg/kg	0.1
IR1WS IR Chromium (Cr)	EASI-CHE-SOP-44	6.38 mg/kg	0.1
IR1WP IR Manganese (Mn)	EASI-CHE-SOP-44	9.86 mg/100 g	
IR1WT IR Nickel (Ni)	EASI-CHE-SOP-44	26.15 mg/kg	0.1
IR38G IR Arsenic (As)	EASI-CHE-SOP-44	1.01 mg/kg	0.05
IR38K IR Mercury (Hg)	EASI-CHE-SOP-44	0.02 mg/kg	0.01
IR38H IR Lead (Pb)	EASI-CHE-SOP-44	2.26 mg/kg	0.05
IR38J IR Cadmium (Cd)	EASI-CHE-SOP-44	0.38 mg/kg	0.02
IRIZY IR Sodium (Na)	EASI-CHE-SOP-44	840.00 mg/100 g	1

The results may not be reproduced except in full, without a written approval of the laboratory. The results relate only to the sample analysed.

Eurofins Analytical Services India Private Limited

#540/1, Doddanahundi Industrial Area 2, Hoodi, Whitefield, Bengaluru 560048, Karnataka, India, Tel: +91 80 30882500,
Fax: +91 80 41680405 Email: enquiry@eurofins.com, Website: www.eurofins.in, IN: U73100KA2009PTC049992

