

Carbon Check_FM 4.9 Puro Verification Report

Output Audit Report

For

“Varaha Corn Seed Facility 1 : Pooling ID 301704”

In

Telangana, India

Methodology: Biochar Methodology (Version 3; Edition 2022)

Production Facility ID: 301704

Output Audit Reporting Period No.: 2

Output Audit Reporting Period: 07/05/2024 to 15/05/2025 (first and last days included)

For

puro·earth

By



CARBON CHECK (INDIA) PRIVATE LIMITED

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Report No.: CCIPL2709/PUROEARTH/VER/IBPS/20250501

Report Date: 04/09/2025

Version: 3.0

I. PROJECT DETAILS

Project title:	Varaha Corn Seed Facility 1 : Pooling ID 301704		
Applicable GHG scheme:	Puro.earth		
Production Facility ID	301704		
Agreed level of assurance and scope of the audit:	Reasonable level of assurance has been considered for the output audit and the reasonableness of the assumptions, limitations, and methods that support a claim about the outcome of future activities have been assessed as part of the production facility audit.		
Host party/country:	India		
Facility location:	Kothur, Medak, Telangana.		
Applicable standard rules:	Puro General rules, V3.1		
Methodology:	Biochar Methodology (Puro.earth) Version: 3 (Edition 2022)		
Sectoral Scope/Technical Area	13, 15		
Output audit reporting Period	07/05/2024 to 15/05/2025	Reporting period no.	2
Total CO₂ Removal Certificates (CORCs):	2,481 CORCs		
CORC Factor	2.33 CORCs per dry tonne of biochar		
GHG reducing measure/technology:	Conversion of corn cob waste biomass to biochar and utilization in farms for soil amendment and storage.		

II. PROJECT PARTICIPANTS

Party/Country	Project Developers/Client	Role	Contract party
India	Varaha ClimateAg Pvt. Ltd. Contact Persons: Abhishek Sharma, Kaushal Bisht, Himanshu Chaturvedi	CO ₂ Removal Supplier	<input type="checkbox"/>
India	Name: Mr Madhur Jain Designation: Co-founder and CEO, Varaha	CO ₂ Removal Supplier's Legal Representation	<input type="checkbox"/>

III. CONTRACTING PARTY

Party/Country	Project Developers/Client	Role	Contract party
Finland	Puro.earth Contact Person: Roosa Räsänen	Standard Representative	<input checked="" type="checkbox"/>

IV. AUDIT TEAM

No.	Role	Type of resource	Last name	First name	Affiliation (e.g. name of central or other office of DOE or outsourced entity)	Involvement in			
						Desk/document review	Remote Audit	Interview(s)	Verification findings
1.	Acting Team Leader / Technical Expert	IR	Rawat	Sawan	Carbon Check	X	X	X	X
2.	Team Leader / Verifier / Technical Expert	IR	Dimri	Anubhav	Carbon Check	X	X	X	X


V. TECHNICAL REVIEWER AND APPROVER

No.	Role	Type of resource	Last name	First name	Affiliation (e.g. name of central or other office of DOE or outsourced entity)
1.	Technical reviewer	IR	Agarwalla	Sanjay Kumar	Carbon Check
2.	Technical Expert to Technical Reviewer	IR	Singh	Vikash Kumar	Carbon Check
3.	Approver	IR	Anand	Amit	Carbon Check

VI. AUDIT REPORT PHASES

Status	Verification Phases
<input checked="" type="checkbox"/>	Desk Review
<input checked="" type="checkbox"/>	Remote Audit
<input checked="" type="checkbox"/>	Follow up interviews
<input checked="" type="checkbox"/>	Corrective Actions / Clarifications Requested
<input checked="" type="checkbox"/>	Resolution of outstanding issues
<input checked="" type="checkbox"/>	Full Approval and Submission for Issuance
<input type="checkbox"/>	Rejected

VII. APPROVAL

Final Approval	
Date	04/09/2025
Approved by	Amit Anand
Designation	CEO
Signature	

Abbreviations

CAR	Corrective Action Request
CDR	Carbon Dioxide Removals
CL	Clarification Request
CO₂	Carbon Dioxide
CO_{2e}	Carbon Dioxide Equivalent
CORC	CO ₂ Removal Certificate
DOE	Designated Operational Entity
DVR	Draft Verification Report
EF	Emission Factor
FA	Final Approval
FAR	Forward Action Request
FVR	Final Verification Report
GHG	Greenhouse gas(es)
GWh	Giga Watt Hour
IPCC	Intergovernmental Panel on Climate Change
MWh	Mega Watt Hour
NABL	National Accreditation Board Testing and Calibration Laboratories
OSV	On Site Visit
QC/QA	Quality control/Quality assurance
TA	Technical Area
TR	Technical Review
UNFCCC	United Nations Framework Convention on Climate Change
VVB	Validation and Verification Body



Verification Opinion — summary

The VVB, Carbon Check (India) Private Ltd. (Carbon Check) is a globally recognized organization that has validated and verified greenhouse gas (GHG) projects worldwide. Our commitment lies in delivering exceptional third-party assurance, training, and knowledge services in the realm of climate change and sustainability on a global scale, ensuring impartial and competent support. Carbon Check has performed the 2nd verification of the project “Varaha Corn Seed Facility 1 : Pooling ID 301704” for Puro.earth (Facility ID 301704). The verification team assigned by the DOE/VVB concludes that the Project Activity as described in the audit package, meets all relevant applicable Puro requirements.

Verification methodology and process

The Verification team confirms the contractual relationship signed on the 29-05-2025 between the VVB, Carbon Check and Puro. The team assigned to the verification meets the Carbon Check’s internal procedures including the ISO 14064 (2019) requirements for the team composition and competence. The verification team has conducted a thorough contract review as per ISO 14065 and Carbon Check’s procedures and requirements. The contract with Puro^{/25/} and further contract reviewing process also confirms the level of assurance of the verification and objectives, scope and criteria of the verification. The level of assurance adopted for this verification is reasonable.

The objective, scope and criteria are detailed below.

The verification has been performed as per the requirements described in the Puro General Rules V3.1 requirements and constitutes the review and completion of the following steps:

- Conflict of interest review;
- Selection of verification team;
- Initial interaction with the supplier;
- Development of the verification plan;
- Desk review of the validation report, MRV data, previous verification reports and other relevant documents.
- Review of the applied monitoring methodology (Biochar Methodology V3 (Edition 2022);
- Remote Audit (07/08/2025)
- Resolution of CARs and CLs raised during verification
- Confirmation that any FARs raised during validation or previous validation have been addressed by the Project Participant.
- Follow-up interaction with the client and other project personnel for supplemental information and corrective action as necessary; and
- Issuance of Verification Report and Statement after internal technical review.

The project activity was correctly implemented according to selected monitoring methodology, monitoring plan and the approved project design. The monitoring equipment was installed, calibrated and maintained in a proper manner and the collected monitoring data allowed for the verification of the amount of achieved GHG emission removals. Through the review and remote audit, the verification team confirms that the project has resulted in the 2,481 tCO₂ emission removals during the 2nd reporting period. Carbon Check therefore issues a positive verification opinion expressed in the attached verification statement.

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1. INTRODUCTION

Puro.earth has appointed Carbon Check to perform an independent verification of the CDR Project Activity “Varaha Corn Seed Facility 1 : Pooling ID 301704” in India (hereafter referred to as “project activity”). The supplier for the project activity is Varaha ClimateAg Pvt. Ltd. This report summarises the findings of the verification of the project, performed in accordance with the requirements of Puro Standard General rules (V3.1)^{B01/}, as well as criteria given to provide for consistent project operations, monitoring and reporting. Verification is required for all registered project activities intending to confirm their achieved emission removals and proceed with request for issuance of CORCs from the project activity. This report contains the findings and resolutions from the verification and a verification statement for the emission removals attributed due to the project activity.

1.1 Objective

Verification is the periodic independent review and *ex post* determination of both quantitative and qualitative information by a Validation and Verification Body (VVB) of the monitored removals in GHG emissions that have occurred as a result of the registered project activity during a defined monitoring period.

The verification statement is the written assurance by a VVB that, during a specific period in time, a project activity achieved the emission removals as verified.

The objective of this verification was to verify and certify emission removals reported for the “Varaha Corn Seed Facility 1 : Pooling ID 301704” in “India” for the period 07/05/2024 to 15/05/2025.

The purpose of verification is to review the monitoring results and verify that the monitoring methodology was implemented according to the monitoring plan and monitoring data used to confirm the removals in anthropogenic emissions, is sufficient, definitive and presented in a concise and transparent manner. Carbon Check’s objective is to perform a thorough, independent assessment of the registered project activity.

1.2 Scope

The scope of the verification is:

- To verify the project implementation and operation with respect to the registered project design
- To verify the implemented monitoring plan with the registered or approved project design and applied baseline and monitoring methodology.
- To verify that the actual monitoring systems and procedures are in compliance with the monitoring systems and procedures described in the monitoring plan.
- To evaluate the GHG emission removal data and express a conclusion with a reasonable level of assurance about whether the reported GHG emission removal data is free from material misstatement.
- To verify that reported GHG emission data is sufficiently supported by evidence.

The verification shall ensure that the reported emission removals are complete and accurate in order to be certified.

The verification comprises a review of the monitoring report over the monitoring period from 07/05/2024 to 15/05/2025 and based on the registered project design in part of the monitoring parameters and monitoring plan, LCA and CORC removal summary spreadsheets, monitoring methodology and all related evidence provided by the supplier.

A remote audit and stakeholder interviews are also performed as part of the verification process.

2. PROJECT DESCRIPTION

Varaha ClimateAg Pvt. Ltd. aims to recycle the corn cob waste by turning it into biochar. This operation of Varaha ClimateAg Pvt. Ltd. i.e. “Varaha Corn Seed Facility 1 : Pooling ID 301704”, is settled in Kothur, Medak, Telangana. Varaha utilizes their gasifiers for the production of syngas and biochar. The syngas is used in the drying of fresh corn cobs to make the seeds more viable for plantation. Currently, the project only uses corn waste as biomass to produce heat and biochar.

The main advantage of biochar lies in its ability to retain the carbon that the plant has extracted from the atmospheric pool. This contrasts with the other methods such as outright combustion, natural decomposition, and various waste management alternatives, which result in the emission of CO₂ and other GHGs into the atmosphere. This process will not result in the export of any syngas or bio-oil. All the syngas produced is used to power the seed drying chambers. The biochar produced has been provided to nearby farmers free of cost.

The verification team considers the description of the project in the audit package to be complete and accurate. Adherence to the eligibility criteria is established in the Output Audit Protocol table 1, Appendix A. The LCA results^{/02/} and CORC Report Summary^{/01/} provide accurate, transparent data and conservative estimates.

3. METHODOLOGY

The following verification process is used:

- ✓ conflict of interest review;
- ✓ selection of verification team;
- ✓ initial interaction with client;
- ✓ development of the verification plan;
- ✓ desktop review of the monitoring report and the baseline and monitoring methodology and other relevant project documentation;
- ✓ remote audit;
- ✓ follow-up interaction with Client and other project personnel for supplemental information and corrective action as necessary; and
- ✓ report development and issuance of final verification statement.

The verification shall ensure that the reported emission removals are complete and accurate in order to be certified. A verification checklist is developed for the Project which summarizes the criteria used to evaluate the Project’s compliance with Puro general rules V3.1 and Biochar Methodology V3 (Edition: 2022), the Project’s conformance with each criterion, and the verification team’s findings.

Conflict of Interest Review Prior to beginning the verification of any project, Carbon Check conducts an evaluation to identify any potential conflicts of interest associated with the project. If no potential conflicts identified for the project, then Carbon Check moves with the verification of the project. This process is followed before issuing LoE to the client and also upon the contract^{/25/} for verification is signed between the Carbon Check and client.

Verification Team composition Carbon Check’s verification team consists of the following individuals who were selected based on their verification, GHG auditing experience, as well as familiarity with applied technology: Anubhav Dimri – Lead Auditor/Technical Expert, Sawan Rawat- Acting Team Leader/ Technical Expert, Sanjay Kumar Agarwalla – Technical Reviewer, Vikash Kumar Singh – Technical Expert to the Technical Reviewer. The verification team composition (along with background details/CV of team members) shall be communicated in the LoE and also before the start of the verification. During the course of the verification any team change shall be communicated to the client and COI shall also be again re-checked.

Audit Kick-off The verification process would be initiated with a kick-off conference call/meeting between VVB and the client. The communication shall be focused on confirming the verification scope, objectives, criteria, schedule, and the information required for the verification. Outcome of this kick-off meeting shall be considered while preparing the verification plan (in strategic risk analysis).

Development of the verification Plan The verification team shall formally document its verification plan as well as determined the sampling plan. This shall be guided by the agreed level of assurance or the GHG scheme the project subscribed with. The verification plan shall be informed in the kick-off meeting where key elements of the plan for verification were discussed, including project team members, project level of assurance, materiality threshold, and standards of reporting and verification. The verification plan shall also provide an outline of the verification process and established project deliverables. A separate sampling plan shall be designed to review all project elements in areas of potentially high risk identified.

Desk Review The verification team shall perform a desk review of the project design and supporting documentation. A desk review of the project documents

- ✓ Desk review of the validation report, monitoring plan, monitoring report, monitoring methodology, project design, applicable tools in particular attention to the frequency of measurements, quality of metering equipment's including calibration requirements, QA/QC procedures and other relevant documents;

Site Visit

Remote Audit and follow-up interviews with project stakeholders. The remote audit includes the following;

- ✓ An assessment of the implementation and operation of the project activity with respect to approved project design;
- ✓ Review of information flows for generating, aggregating and reporting the monitoring parameters;
- ✓ Interview with relevant persons to determine whether the operational and data collection procedures are implemented and in accordance with monitoring plan of the project design;
- ✓ Cross check of information and data provided in the monitoring report with plant logbooks, inventories, purchase records or similar data sources;
- ✓ Check of monitoring equipment's, calibration frequency and monitoring practice in-line with methodology and the project design;
- ✓ Review of assumptions made in calculating the emission removals;
- ✓ Implementation of QA/QC procedure in-line with the project design and methodology requirement.

Corrective Actions and Clarification requests

- ✓ The Verification team shall request CARs and CLs (supplemental information) during the verification process. The corrective action and clarification requests and the responses provided by shall be summarised in the verification protocol of this report.

Verification Reporting

The resolution of outstanding issues and the issuance of the draft verification report and opinion and thereafter internal technical review before final decision on the verification.

3.1 Desk review

The following table outlines the documentation reviewed during the verification:

Ref no.	Reference Document
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/1/	CORC Report Summary - Biochar - Kothur V2
/2/	puro_LCA Model template_v2023-09_NSL Kothur – Final
/3/	Incoming Cob - 2025
/4/	Incoming Cob Challans
/5/	Biomass Proof NSL Kothur
/6/	NSL Kothur Biomass Processing Data - V2
/7/	Biochar Storage Pit measurement proofs
/8/	Calibration Certificates for measuring devices and weekly calibration protocol
/9/	Biochar Dry Mass Revalidation
/10/	Biochar Sampling Protocol and Dry Mass Calculation – NSL Kothur
/11/	Pulverised Biochar Bulk Density Report,09-07-2025
/12/	Kothur Copper Declaration, 24-07-2025 <ul style="list-style-type: none"> • Kothur Biochar Copper Content – 1 • Kothur Biochar Copper Content - 2
/13/	Kothur Elemental Analysis, 10-04-2025
/14/	Kothur PAH, Corg and Moisture Updated, 30-05-2025
/15/	NSL Kothur Complete dMRV Data
/16/	Biochar Handling Evidence as Per SOP
/17/	Kothur - NSL Sales and Branding Claims
/18/	Previous Year Biochar Distribution Data
/19/	Proposed Farmer List
/20/	KTR Power Bill split data-FEB'25-MAR'25
/21/	Maintenance Costs - Kothur
/22/	Electricity Breakup - Kothur
/23/	Solar Power Bills: <ul style="list-style-type: none"> • Solar-APR_25 • Solar-FEB_25 • Solar-Mar_25
/24/	Grid Power Bills: <ul style="list-style-type: none"> • Power bill -KTR -Feb-25 • Power bill-KTR-April-25 • Power bill-KTR-Mar-25
/25/	CCIPL 2709 Countersigned Contract, 29-05-2025
/26/	Remote Audit Evidence, 07-08-2025

3.2 Background documents:

Ref no.	Reference Document
/B01/	Puro Standard General Rules, V3.1, 01 June 2023
/B02/	Biochar Methodology Edition 2022 V3
/B03/	Puro Templates and Guidance documents
/B04/	<ul style="list-style-type: none"> • Woolf et al (2021) • EBC and WBC positive lists of approved biomass feedstock. All other background documents, which have been used by the audit team to cross check the methodology requirements, technical specification of the project activity, input

	parameters for the financial model, barriers.
/B05/	ISO 14064 - 2019
/B06/	LCA Report for NSL Corn Cob Dryer Biochar Production and Soil Application, 20-06-2024 (Joint Production Facility and 1 st Output Audit)
/B07/	Puro CCIPL 2402 Final Audit Report (Joint Production Facility and 1st Output Audit)

3.3 Remote audit and follow-up interviews with project stakeholders

A remote audit was performed by the verification team of Carbon Check on 07/08/2025. The remote audit involved an audit of the biochar production facility and one of the farms where the soil application of biochar in the field was observed. A local stakeholder interview was also conducted during this audit. The verification team reconfirmed the biochar production process during the tour of the facility and asked if any changes have been introduced since the previous on-site visit during the Production facility and 1st Output audit in 2024. The only notable change was the introduction of the DMRV platform for more accurate data logging.

Biochar application in the field was also observed by the verification team and a local stakeholder interview was also conducted.

The VVB asked the farmers:

- If they were informed about the biochar and its benefits by the supplier?
- Was the biochar provided to them free of cost?
- How far their farms are from the facility?
- Have they noticed any positive or negative impacts of the biochar?
- Any comments, opinions or concerns regarding biochar use.

The VVB was informed that:

- The farmers were invited to a “Rythu Vedika”, by NSL. Here they were informed about biochar and its benefits.
- The biochar was provided free of cost.
- Their farms ranged from 40-60kms away from the facility.
- Since the application of biochar was very recent, they had no comments regarding the effect of biochar on agricultural yields yet.
- Farmers mentioned that previously when un-pulverized biochar was provided to them, it would hurt their feet while walking through the fields. Thus, field crop farmers were provided with pulverized biochar while plantation farmers preferred un-pulverized biochar, noting better yields and overall results.

The following list provides the project representatives and stakeholders identified as per Puro’s Stakeholder Engagement Requirements V1.1^{B03/} and interviewed by the audit team::

	Name	Organization	Topic
/i/	Kaushal Bisht	Varaha	Facility Audit, Biochar Storage, Boundary for life-cycle assessment of emissions and removals, GHG calculations, Data quality and uncertainty
/ii/	Patchala Nagaraju	NSL	Facility Audit, Biochar Storage
/iii/	Himanshu Chaturvedi	Varaha	Facility Audit, Biochar Storage, Biochar soil application in field, Boundary for life-cycle assessment of emissions and removals, GHG calculations, Data quality and uncertainty, Local Stakeholder Interview

/iv/	Abhishek Sharma	Varaha	Facility Audit, Biochar Storage, Biochar soil application in field, Boundary for life-cycle assessment of emissions and removals, GHG calculations, Data quality and uncertainty, Local Stakeholder Interview
/v/	K L Prabhakar	Independent Farmer	Local Stakeholder Interview, Biochar soil application in field, Benefits of Biochar usage observed
/vi/	Padmavathi Koppala	Aranya Agriculture	Local Stakeholder Interview, Biochar soil application in field, Benefits of Biochar usage observed
/vii/	Dr Pallavi	Independent Researcher at Local Agriculture Institute	Local Stakeholder Interview, Biochar soil application in field, Benefits of Biochar usage observed
/viii/	Alege Srinivas	Aranya Agriculture	Local Stakeholder Interview, Biochar soil application in field, Benefits of Biochar usage observed
/ix/	A. Shiromani	Farmer connected with Aranya Agriculture	Local Stakeholder Interview, Biochar soil application in field, Benefits of Biochar usage observed
/x/	A. Shushila	Farmer connected with Aranya Agriculture	Local Stakeholder Interview, Biochar soil application in field, Benefits of Biochar usage observed
/xi/	G. Thuljaram	Farmer connected with Aranya Agriculture	Local Stakeholder Interview, Biochar soil application in field, Benefits of Biochar usage observed

3.4 Resolution of outstanding issues

The objective of this phase of the verification is to resolve any outstanding issues (issues that require further elaboration, research or expansion) which have to be clarified/corrective action done prior to final VVB's conclusions on the project implementation, monitoring practices and achieved emission removals. In order to ensure transparency a verification protocol is completed for the project activity. The protocol shows in transparent manner criteria (requirements), means of verification and resulting statements on verification of the project activity against identified criteria.

The verification protocol serves the following purposes:

- It organises in a table form, details and clarifies the requirements, which the project is expected to meet;
- It ensures a transparent verification process where the VVB will document how a particular requirement has been verified and the result of the verification.
- It ensures that the issues are accurately identified, formulated, discussed and concluded in the verification report.
- It ensures the determination of achieving credible emission removals from the project activity.

The verification protocol consists of two tables. Table 1 reflects the verification requirements and reference to the materials used to verify the project activity against those requirements, as well as means of verification, reference to Table 2 (i.e. tables of findings) and preliminary and final opinion of the VVB on every particular requirement listed in table 1. The completed verification protocol for this project is enclosed in Appendix A to this report.

Corrective action requests (CARs) are raised where:

- (a) Non-conformities with the monitoring plan or methodology are found in monitoring and reporting and has not been sufficiently documented by the supplier, or if the evidence provided to prove conformity is insufficient;
- (b) Modifications to the implementation, operation and monitoring of the registered project activity has not been sufficiently documented by the supplier;
- (c) Mistakes have been made in applying assumptions, data or calculations of emission removals which will impair the estimate of emission removals;
- (d) Issues identified in a FAR during validation/previous verification(s) that are not being resolved by the supplier to be verified during current verification.

Requests for clarification (CLs) are raised, if information is insufficient or not clear enough to determine whether the applicable GHG scheme criteria have been met.

A forward action request (FAR) is raised during verification to highlight issues related to project implementation/monitoring that require review during the subsequent verification of the project activity. FARs shall not relate to the applicable GHG scheme criteria for issuance.

3.5 Internal quality control

The final audit report has passed a technical review and quality review before being submitted to the supplier and the Puro registry. The technical review has been performed by a technical reviewer qualified in accordance with Carbon Check’s qualification scheme for verification.

3.6 Verification Team

Carbon Check has appointed a competent team as per the Accreditation Standard /ISO 14065, Puro Validation and Verification Requirements v1.2, section 6^{B03/} and Carbon Check internal procedures, the team is outlined below:

Validation and Verification Team			Role										
Full name	Affiliation	Type of resource	Team leader	Acting Team Leader	Local Expert	Team Member (Auditor)	Technical Expert	Acting/Trainee Tech. Expert	Trainee Auditor	Technical Reviewer	Expert to TR	Trainee TR	Approver
Sawan Rawat	Carbon Check	IR		X			X						
Anubhav Dimri	Carbon Check	IR	X				X						
Vikash Kumar Singh	Carbon Check	IR									X		
Sanjay Kumar Agarwalla	Carbon Check	IR								X			
Amit Anand	Carbon Check	IR											X

4. VERIFICATION FINDINGS

The findings of the verification are described in the following sections. The verification criteria (requirements), the means of verification and the results of verification are documented in detail in the verification protocol in Appendix A.

5. MONITORING

The supplier has updated their MRV procedures since the production facility audit and has adopted the use of their dMRV platform to log all records.

A brief summary of the MRV procedure is as follows:

1. The truck is weighed when it enters the plant with the corn cob. The supplier has shared Incoming Cob – 2025^{/03/} sheet and Incoming Cob Challans^{/04/} as evidence.
2. After separation of the corn seeds the corn shank is dumped in a storage pit where it a volumetric measurement is done by technician and recorded in the dMRV platform. Weight of shanks used in the gasification process is determined by logging the hours for which gasifier runs and the capacity per hour of the gasifier. These records have been provided in the NSL Kothur Biomass Processing Data - V2^{/06/} sheet.
3. Each batch of Biochar produced is weighed and logged in the supplier's dMRV platform. Daily logs of each batch with dates and time along with image proofs and weigh bridge tickets have been provided in the NSL Kothur Complete dMRV Data^{/15/} sheet by the supplier.
4. Random samples have been taken and sent for laboratory analysis. Kothur Copper Content^{/12/}, Kothur Elemental Analysis^{/13/}, Kothur PAH, Corg and Moisture^{/14/} have been provided by the supplier as evidence. These tests have been conducted by QSS Inspection and testing Pvt. Ltd. which is accredited by the National Accreditation Board Testing and Calibration Laboratories (NABL) and meets the requirements as per Biochar Methodology 2022 V3^{/B02/}, section 5.3.4.

The VVB finds the monitoring approach in compliance with the Puro Biochar methodology edition 2022 V3^{/B02/}. It is the VVB's opinion that the supplier has adequately implemented the monitoring plan.

5.1 Parameters determined ex-ante

Sl. No.	GHG monitoring Parameters	Description
1	Biochar Activation	Emission from diesel during transportation of biochar to pit Source: UK DEFRA - 2024
2	Biochar Application	Emission from diesel during transportation of biochar from pit to farm. Source: UK DEFRA -2024
3	Biochar Production	No emissions considered for production of electricity used in gasifiers - Solar Electricity Source: - Solar Power Bills ^{/23/}
4	Biochar Production	Emission during production of electricity used in gasifiers - Grid Electricity Source: CO ₂ Baseline Database for the Indian Power Sector- By Indian Government Version 20 - The source includes the emissions from transmission and installation of facility
5	Pits Dug	Emission from diesel consumption in digging the pit Source: UK DEFRA -2024
6	Waste Disposed	Emissions during waste disposal Source: Ecovinvent Database Version 1.1
7	Waste Disposed	Emissions during transportation of the waste from facility Source: UK DEFRA -2024
8	Heat Generated for Drying	Emission from Unburnt Residue of Syn Gas from Gasifiers Source: Test Report
9	CO ₂ stored	Carbon dioxide sequestered from biochar stored in pits

		Source: CO ₂ sequestered per ton
10	Facility Maintenance	Emissions in producing steel used in the maintenance of facility Source: Ministry of Steel
11	Diesel for transportation	Emissions from procuring diesel from well to tank Source: UK DEFRA -2024

5.2 Parameters monitored ex-post;

List of Key project parameters to audit:

Indicator	Sources	Value	Frequency
Biomass Processed	dMRV Solution	4441.285 Tonne (Dry Mass)	Batch-wise
Biochar produced from gasifiers	dMRV Solution	1566.333 Tonne (Wet Mass)	Batch-wise
Electricity used in gasifiers - Grid Electricity	Factory Records	Gasifier 1 and 2 common parts = 46873 kWh Gasifier 1 (Distinct Parts)= 19838 kWh Gasifier 2 (Distinct Parts)= 31624 kWh Gasifier 3= 68201 kWh	Batch-wise
Dry mass of Biochar	Measured in Factory LAB	1064.323274 Tonne (Dry Mass)	Batch-wise
Moisture content of biomass processed over LCA period	As per average factory measurement	10%	Batch-wise
moisture content in biochar produced	Moisture Meter Value	32.05%	Batch-wise
Capacity of water pump	Factory Records	5.59 kW	Batch-wise
Percentage electricity from grid	Factory Records	46%	Batch-wise
Percentage electricity from solar	Factory Records	54%	Batch-wise

In summary, the audit team is convinced of compliance of the monitoring plan with the requirements of the Biochar methodology edition 2022 V3^{B02/}.

In summary, the verification team confirms that all the ex-ante and ex-post parameters are monitored in accordance with the approved monitoring plan and applied methodology.

5.3 Accuracy of monitoring equipment

Details of Hot Air Oven 2:

Report No.: CCIPL2709/PUROEARTH/VER/IBPS/20250501

Report Date: 04/09/2025

Version: 3.0

Name	Hot Air Oven 2
Type	Digital
ID Number	QSS/VA/OVEN/08
Date of calibration	08-10-2024
Next calibration due date	07-10-2025
Calibration frequency	Annually

Details of Muffle Furnace:

Name	Muffle Furnace
Type	Digital
ID Number	QSS/VA/MF/10
Date of calibration	08-10-2024
Next calibration due date	07-10-2025
Calibration frequency	Annually

Details of ICP-OES:

Name	ICP-OES
ID Number	QSS/VA/ICP/064
Date of calibration	25-02-2025
Next calibration due date	25-05-2025
Calibration frequency	Quarterly

Details of Weigh Bridges:

Make	Essae Digitronics
Model	IND/09/09/454
Serial Number	950052423
Accuracy	Class III
Date of calibration	16/05/2023
Next calibration due date	15/05/2024
Calibration frequency	Annually

Make	Essae Digitronics
Model	IND/09/09/454
Serial Number	950052423
Accuracy	Class III
Date of calibration	26/05/2024
Next calibration due date	25/05/2025
Calibration frequency	Annually

The calibration certificates of all measuring devices^{/08/} used during MRV procedures have been satisfactorily provided by the supplier. Though the annual calibration certificates of the weigh bridge do not cover a period of 10 days of the reporting period from 16/05/2024 to 25/05/2024, a weekly internal calibration protocol has been provided by the supplier as supporting evidence to account for this.

The audit team has verified the accuracy of monitoring equipment based on the review of the calibration certificates of all equipment and the weekly calibration protocol for the weigh bridge^{08/} and it is the audit team’s opinion that the accuracy of monitoring equipment is assured.

6. LIFE CYCLE ASSESSMENT

A cradle-to-grave assessment of the corn cob waste(corn shanks) biochar produced in Andhra Pradesh was used for the comparative LCA, meaning that it considers all life cycle stages, from production to the end of life in relation to the selected baseline scenario.

6.1 Assumptions

Key Assumptions:

- The default baseline emission scenario for the project activity feedstock is zero, which is a conservative assumption since it is not considering methane emissions derived from decay of manure or combustion of waste biomass^{/B02/}.

Project Specific Assumptions:

- Biomass being used is an industrial waste produced in the same facility where it is being gasified so emissions in production of biomass are already present in baseline.

There are no uncertainties associated with the Output Audit of the project activity. Reasonable level of assurance has been considered for output audit and the reasonableness of the assumptions, limitations, and methods that support a claim about the outcome of future activities have been assessed as part of the production facility audit. The key assumptions are listed above and conservative values have been determined based on the assumptions. Based on the assessment, VVB determines that the calculations and assumptions do not lead to the overestimation of the CORCs.

6.2 System Boundary

An assessment of the system boundary was done during the production facility audit. VVB confirms that no changes have been made to the system boundary since the previous verification period.

6.3 Baseline Scenario Identification

As per section 3.3 of the applied Biochar methodology (v3; edition 2022)^{/B02/}, the audit team confirms that the default baseline emission scenario for the project activity feedstock is zero, which is a conservative assumption since it is not taking into account methane emissions derived from decay of manure or combustion of waste biomass.

All the assumptions and data used by the supplier are listed in the documents provided in the audit package.

6.4 CORC Calculations

In summary, the calculation of CORCs was correctly demonstrated by the supplier according to the Biochar methodology (V3; edition 2022)^{/B02/}. The table below summaries Output Audit team’s determination of CORCs:

All assumptions made for estimating GHG are listed in the LCA Report	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	VVB has determined that all assumptions made for estimating CO ₂ removals are listed in the LCA model ^{/03/} along with their references and sources.
All data used by the supplier is listed in the LCA Report	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Their references and sources are also listed in the LCA Report	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Data, formulas and parameters used are complete, accurate, transparent and conservative.
Formulas, parameters, values are complete, accurate, transparent and conservative	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	The Biochar methodology edition 2022 V3 ^{/B02/} has been applied correctly to calculate project emissions, leakage emissions and carbon
All the references and documents used are	<input checked="" type="checkbox"/> Yes	



correctly quoted and conservatively interpreted in the LCA Report	<input type="checkbox"/> No	removals.
Methodology has been applied correctly to calculate project emissions, baseline emissions, leakage emissions and carbon removals	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	An alternate baseline scenario has been demonstrated by the supplier, but the baseline emissions have not been considered as per section 3.3 of the Biochar methodology edition 2022 V3 ^{/B02/} . A cradle to grave Life cycle assessment approach has been applied by the supplier.

Based on the calculations and results presented in the sections above the implementation of the project activity will result in an average estimation of carbon removals conservatively calculated to be 2,481 tCO₂e for the selected reporting period.

All other assumptions and data used by the Project Developers are listed in the LCA model^{/03/} and/or supporting documents, including their references and sources. All documentation used by the supplier as the basis for assumptions and source of data is correctly quoted and interpreted in the audit documents. All values used in the LCA model^{/03/} are considered reasonable and conservative in the context of the proposed project activity. The methodology has been applied correctly to calculate project emissions, leakage and carbon removals. All estimates of the project and leakage emissions can be replicated using the data and parameter values provided in the supporting documents.

6.5 Leakage

The leakage risk from upstream and downstream emissions is estimated to be low because these emissions are included in the life-cycle-based GHG removal quantification^{/03/}.

There is a risk of activity shifting leakage when biomass is used for feedstock inputs. This risk is estimated to be negligible for this project because the biomass used is a waste product and had no use before the project activity. The biomass used is also not grown specifically for biochar production. It is used to extract the seeds from the incoming corn cobs and the shank waste left behind is the feedstock used in the biochar production process. Since the same amount of waste would be produced in the facility without the biochar production, this negates the risk of activity shifting leakage for the project activity.

VVB has determined this to be true based on the project description, observations made during the remote audit and a thorough assessment of the LCA results^{/03/} and supporting documents provided in the audit package.

APPENDIX A

Carbon Check Output Audit Protocol

Varaha Corn Seed Facility 1 : Pooling ID 301704 in India

Report No. CCIPL2709/PUROEARTH/VER/IBPS/20250501

Verification Protocol Table 1: Audit checklist			
Description and requirement	Requirement Met	Reference	VVB Assessment
The raw material is of eligible type and sustainably sourced	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<i>Biomass Proof NSL Kothur</i> ^{/05/}	Biomass used for biochar production is corn shanks which qualify as agricultural waste. Based on the review of the evidence provided and observations made during the Remote Audit, the VVB confirms that the biomass used is eligible as per Biochar methodology edition 2022 V3 ^{/B02/} .
The LCA specifics and emissions boundary are consistent with observations on site	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<i>Remote Audit Puro_LCA Model</i> ^{/02/} <i>Puro_CORC Report Summary</i> ^{/01/}	Puro_LCA Model ^{/02/} and Puro_CORC Report Summary ^{/01/} were thoroughly reviewed before the Remote Audit and it is the VVB's opinion that the system boundary is consistent with the observations made on site.
There are no fossil-fuels used to heat the pyrolysis reactor	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<i>Remote Audit</i>	During the remote audit it was mentioned that a single piece of corn shank is burned and introduced into the gasifier to start the combustion, and the gasification process is a self-sustaining process with no use of fossil fuels. VVB confirms no fossil fuels are used to heat the pyrolysis reactor.
Pyrolysis gases are recovered or combusted in the biochar production process.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<i>Remote Audit Validation LCA Report</i> ^{/B07/}	The syngas produced during biochar production is used to heat the drying chambers to dry the fresh corn cobs and the same has been observed during the Remote Audit by the VVB, thus the VVB has determined that the requirement has been met.
Biochar is used in applications other than energy	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<i>Remote Audit</i>	Evidence of end use has been provided by the supplier in the form of images and the list of farmers to whom the biochar was provided. The use of biochar in fields was also observed by the VVB during the remote audit and during the stakeholder interview conducted by the audit team. Thus the VVB has determined that the final use of biochar has been done in application in agricultural fields and not for generation of energy.
The molar H/C _{org} ratio is less than 0.7	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<i>Kothur Elemental Analysis</i> ^{/13/} <i>Kothur PAH, Corg and</i>	The Lab test results show the molar H/C _{org} ratio of the biochar produced is 0.17 thus this requirement has been met.

		<i>Moisture Updated</i> ^{14/}	
Confirm how the Production Facility documents the quantity of biochar produced and sold	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<i>Remote Audit</i> <i>NSL Kothur Complete dMRV Data</i> ^{15/}	<p>All inputs and outputs are thoroughly logged and recorded in the dMRV application. A live demo of the dMRV platform was also observed by the VVB during the remote audit.</p> <p>Biochar produced is filled into a large pit. Measurements and proof have been provided by the supplier.</p> <p>The project activity does not involve sale of biochar. It is given free of cost to local farmers.</p>
Confirm that the Production Facility's documentation system is accurate and reliable	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<i>Remote Audit</i> <i>NSL Kothur Complete dMRV Data</i> ^{15/}	<p>The data logs for incoming biomass and outgoing biochar collected through the dMRV platform have been thoroughly reviewed and found appropriate by the VVB.</p>
Confirm the process that is in place to quantify emissions from the cultivation, harvesting, and transport of raw materials. These account for: - forest biomass vs biomass from other waste	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<i>Remote Audit</i>	<p>This requirement does not apply to the project as the biomass used is agricultural waste.</p>
Confirm the process that is in place to quantify emissions from the transport of raw materials to the Production Facility	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<i>Remote Audit</i>	<p>VVB has reviewed the MRV procedures for accounting of incoming biomass.</p> <p>Supplier claims that biomass being used is an industrial waste produced in the same facility where it is being gasified so emissions in production of biomass are already present in baseline. VVB has confirmed this via observations and interviews during the remote audit and considers this assumption appropriate.</p>
The requirements for Quantification of CO ₂ Removal have been explained to the Supplier by the Auditor for the purpose of compiling the Output Report	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<i>Output documents</i> <i>audit</i>	<p>Supplier has compiled and provided an output report to the auditor.</p>
The CO ₂ Removal Supplier shall provide a life cycle assessment (LCA) for biochar activity including disaggregated information on the emissions arising at different stages. LCA shows: - carbon footprint of the biomass production and supply - emissions from the biochar production process	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<i>Puro_LCA Model</i> ^{02/}	<p>The supplier has provided a cradle to grave LCA model that considers emissions from all life cycle stages identified within the system boundary of the project activity.</p>

<p>- carbon footprint of the biochar end use - cradle to grave</p>			
<p>Pyrolysis gases are combusted or recovered. Bio-oil and pyrolysis gases can be stored for later use as renewable energy or materials.</p>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<p><i>Remote Audit</i></p>	<p>The syngas produced during the gasification process is utilized in the seed drying process. The VVB has observed the process during the remote audit and confirms the same.</p>
<p>The default baseline emission scenario for the project activity feedstock is zero, which is a conservative assumption since it is not taking into account methane emissions derived from decay of manure or combustion of waste biomass.</p> <p>If a non-zero baseline presented, needs to be accepted by Puro.earth.</p>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<p><i>Puro_LCA Model^{/02/}</i> <i>Puro_CORC report summary^{/01/}</i></p>	<p>E_{biomass} in the LCA has been taken as zero as per section 3.3 of the Biochar methodology edition 2022 V3^{/B02/}. Based on the review of the Puro_LCA Model^{/02/} and the Puro_CORC report summary^{/01/}, VVB confirms that the value for default emissions for the feedstock has been taken as zero.</p>

Table 2: List of Findings from Verification

Corrective Action Requests

CAR	01	Section	Production Facility and Supplier information	Date: 14/08/2025
Description of CAR				
<ul style="list-style-type: none"> The production facility name provided by the Puro team is “Varaha Corn Seed Facility 1 : Pooling ID 301704” as per the puro registry, while the production facility name provided in the CORC Report Summary is “Corn Cob Facility 1”. <p>VVB has found the facility name in the CORC Report Summary to be inconsistent with the facility name on Puro’s registry. The supplier shall confirm the name of the production facility in the CORC Report Summary to maintain consistency between the project documents and puro registry.</p> <ul style="list-style-type: none"> Methodology version provided in the CORC Report Summary is “Biochar Methodology Edition 2022 V2” <p>The supplier shall correct the methodology version to “Biochar Methodology Edition 2022 V3”.</p>				
Supplier response				Date: 14/08/2025
<ol style="list-style-type: none"> Updated the Facility name as per Puro’s registered name. The registered name has changed for ease of tracking and the updated name is available on Puro’s website as “Varaha Corn Seed Facility 1 : Pooling ID 301704” Updated 				
Documentation provided by Supplier				
CORC Report Summary - Biochar - Kothur V2.xlsx				
VVB assessment				Date: 18/08/2025
<ul style="list-style-type: none"> VVB has received confirmation from the supplier that the project title in Puro’s registry has been updated. All documents have been satisfactorily updated to reflect the change in the project title. However, since the project title is now inconsistent with our signed contract with Puro, an addendum has been added to our contract and shared with Puro to reflect this change. The updated <i>CORC report summary</i> now has the correct title that is consistent with the title in the Puro Registry. The methodology version in the CORC Report Summary has been updated and now refers to the correct version of the methodology applied. <p>CAR is closed.</p>				

Clarification Requests

CL	01	Section	Calibration certificates	Date: 14/08/2025
Description of CL				



Calibration certificates provided for the Hot air oven, Muffle furnace and ICP OES are the same as the ones provided for another project activity “Corn Seed Facility 2”. Supplier is requested to clarify if the same equipment is used in the testing of biochar from both these facilities.

Supplier response

Date: 14/08/2025

These equipment are used by our partner laboratory and for both the facilities samples were sent to the same lab for testing, hence the calibration certificates are the same.

Documentation provided by supplier

VVB assessment

Date: 18/08/2025

VVB finds the supplier’s clarification regarding the calibration certificates of the measurement equipment satisfactory.

CL is closed.

CL	02	Section	Dry Bulk Mass	Date: 14/08/2025
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Description of CL

In the *Biochar Dry Mass Revalidation* document, supplier has differentiated the biochar types as pulverised and un-pulverised and provided 2 values of Bulk Density based on these types:-

- Bulk Density for un-pulverized biochar: 356 kg/m³
- Bulk Density for pulverized biochar: 498 kg/ m³

The *CORC report summary – biochar batch records* sheet uses the Bulk density value of 356 kg/m³ for all records. Supplier is requested to clarify if all these records are unpulverized biochar and at what point is the biochar pulverized.

Supplier response

Date: 14/08/2025

The biochar batch records sheet contains details pertaining to the un-pulversied biochar production from the gasifier at the facility and the batch-wise production logs have been added in the sheet, hence the dry bulk density of 356 kg/m³ is used. However, before storage and distribution of biochar, the majority of the biochar produced is pulverised taking farmer’s feedback into consideration, hence two separate values are taken for dry mass revalidation.

Documentation provided by supplier

VVB assessment

Date: 18/08/2025

VVB finds the supplier’s clarification regarding the bulk density values used in the *Biochar Dry Mass Revalidation* and *CORC report summary* satisfactory.

CL is closed.

APPENDIX B

Puro Reporting Requirements

This appendix demonstrates adherence of this Output Audit report to section 8 “Reporting Requirements” of the Validation & Verification Requirements V1.2/^{B03}/ document from Puro. References to sections in the report that provide details for each requirement have been provided below:

-
- A. VVB details:** A brief description of the VVB and the assigned audit team can be found in the [Verification Opinion – summary](#) section of the report.
 - B. Validation and verification team competence and declaration of no conflict of interest:** Validation team certificates of competence have been attached in [Appendix C](#) of the Final Production Facility Audit and Output Audit Report. A [conflict of interest review](#) has been provided in the [methodology section](#) of this report.
 - C. Assurance opinion and overall conclusion of conformity to requirements in Puro Standard:** A summary of the VVB’s Output Audit opinion, the adopted level of assurance and a brief description of conformity to requirements set in the Puro Standard have been provided in the [Verification Opinion – summary](#) section of the report.
 - D. Volume of credits (net carbon removal, Output) to be issued for the specified time period:** [Section 5](#) “Life Cycle Assessment” of the report provides details of the CORCs being issued for the first output audit and the audit team’s opinion on the accuracy of the results.
 - E. Identification of CO₂ Removal activity proponent’s legal representation:** The CO₂ Removal activity proponent’s legal representation has been identified on [Page 2](#) of this report.
 - F. CO₂ Removal activity description, Removal Method and Facility unique identifier:** Removal method and description along with the facility unique id can be found in the [project details section](#) on page 2 of the report.
 - G. Monitoring practices and results:** [Section 4 “Monitoring”](#) provides details on the project activity’s key monitored parameters and their frequency.
 - H. CO₂ Removal activity boundary for life-cycle assessment of emissions and removals:** [Section 5.2.](#) of the report description of the project’s system boundary being considered for the LCA calculations.
 - I. Baseline determination:** [Section 5.1 “Baseline Scenario Identification”](#) of the report provides a description of the methodology level assumption made for the baseline scenarios identified for the project.
 - J. Additionality assessment:** Regulatory and Financial additionality of the project have been established and reviewed during the production facility audit. This assessment was conducted for the entire crediting period and has not been re-assessed for this output audit reporting period.
 - K. Stakeholder consultation:** Details of the stakeholder consultation conducted by the supplier and the VVB’s opinion on whether it was adequately conducted were provided during the production facility audit. Details of the stakeholder interviews conducted have been provided in [section 2.3](#) of this report.
 - L. Environmental and social safeguards:** Details on the environmental and social safeguards set by the project activity have been reviewed during the production facility audit.
 - M. Validation process, including provisions for site visit and all sources consulted:** [Section 2 “Methodology”](#) provides a detailed description of the validation process, the site visit and the documents and resources reviewed to conclude the audit process.
 - N. Resolution of findings from previous audit:** There are no Forward Action Requests to be resolved from the previous audit. Findings raised during this audit and their resolution have been described in [Section 2.4 “Resolution of outstanding issues”](#). A table containing details of each finding raised can also be found in [Appendix A](#) of this report.
 - O. Data quality and uncertainty:** The VVB’s opinion of the data quality and monitoring can be found in [Section 4 “Monitoring”](#) VVB’s opinion on any uncertainties can be found in [Section 5.1 “Assumptions”](#) of the report.
-

APPENDIX C

Certificates of Competence



Carbon Check (India) Private Limited

Certificate of Competency

Mr. Anubhav Dimri

has been qualified as per CCIPL's internal qualification procedures in accordance with the requirements of CDM AS, A 6.4 AS/ ISO/IEC14065:2020, ISO/IEC 17029:2019 and other applicable GHG programs:

for the following functions and requirements:

<input checked="" type="checkbox"/> Validator	<input checked="" type="checkbox"/> Verifier	<input checked="" type="checkbox"/> Team Leader	<input checked="" type="checkbox"/> Technical Expert
<input checked="" type="checkbox"/> Technical Reviewer	<input type="checkbox"/> Validator/Verifier (Trainee)	<input type="checkbox"/> Gender Expert	<input checked="" type="checkbox"/> Plastic Waste Expert
<input checked="" type="checkbox"/> CCB Expert	<input type="checkbox"/> Legal Expert	<input checked="" type="checkbox"/> Financial Expert	<input checked="" type="checkbox"/> Environmental, Health and Safety financial matters
<input checked="" type="checkbox"/> SDG Expert	<input checked="" type="checkbox"/> Expert Social aspect	<input checked="" type="checkbox"/> Expert Environmental Aspect	<input type="checkbox"/> Health Expert
<input checked="" type="checkbox"/> Regional Expert for India, RSA and Spanish Speaking countries	<input checked="" type="checkbox"/> FOEN Approved Technical Expert	<input type="checkbox"/> FOEN Approved Quality officer	

in the following Technical Areas:

<input checked="" type="checkbox"/> TA 1.1	<input checked="" type="checkbox"/> TA 1.2	<input type="checkbox"/> TA 2.1	<input checked="" type="checkbox"/> TA 3.1	<input type="checkbox"/> TA 4.1
<input type="checkbox"/> TA 4. n	<input type="checkbox"/> TA 5.1	<input type="checkbox"/> TA 5.2	<input type="checkbox"/> TA 7.1	<input checked="" type="checkbox"/> TA 8.1
<input type="checkbox"/> TA 9.1	<input type="checkbox"/> TA 9.2	<input type="checkbox"/> TA 10.1	<input checked="" type="checkbox"/> TA 13.1	<input checked="" type="checkbox"/> TA 13.2
<input checked="" type="checkbox"/> TA 14.1	<input checked="" type="checkbox"/> TA 15.1	<input checked="" type="checkbox"/> TA 16.1		

Issue Date 06 th February 2025	Expiry Date 31 st December 2025
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Mr. Vikash Kumar Singh
Director - Compliance

Revision History of the document:

Revision Date	Summary of changes
Jan 2025 ¹	Revised as per latest organogram
Feb 2025	Revised to include FOEN requirements

CCIPL_FM 7.9 Certificate of Competency_V8.0_05022025
¹ Please refer to previous version of FM 7.9 for the revision history



Carbon Check (India) Private Limited

Certificate of Competency

Mr. Sawan Rawat

has been qualified as per CCIPL's internal qualification procedures in accordance with the requirements of CDM AS, A 6.4 AS/ ISO/IEC14065:2020, ISO/IEC 17029:2019 and other applicable GHG programs:

for the following functions and requirements:

- | | | | |
|---|---|---|---|
| <input checked="" type="checkbox"/> Validator | <input checked="" type="checkbox"/> Verifier | <input type="checkbox"/> Team Leader | <input checked="" type="checkbox"/> Technical Expert |
| <input type="checkbox"/> Technical Reviewer | <input type="checkbox"/> Validator/Verifier (Trainee) | <input type="checkbox"/> Gender Expert | <input type="checkbox"/> Plastic Waste Expert |
| <input type="checkbox"/> CCB Expert | <input type="checkbox"/> Legal Expert | <input type="checkbox"/> Financial Expert | <input type="checkbox"/> Environmental, Health and Safety financial matters |
| <input type="checkbox"/> SDG Expert | <input type="checkbox"/> Expert Social aspect | <input type="checkbox"/> Expert Environmental Aspect | <input type="checkbox"/> Health Expert |
| <input checked="" type="checkbox"/> Regional Expert for India | | <input type="checkbox"/> FOEN Approved Technical Expert | <input type="checkbox"/> FOEN Approved Quality officer |

in the following Technical Areas:

- | | | | | |
|----------------------------------|----------------------------------|---|----------------------------------|----------------------------------|
| <input type="checkbox"/> TA 1.1 | <input type="checkbox"/> TA 1.2 | <input type="checkbox"/> TA 2.1 | <input type="checkbox"/> TA 3.1 | <input type="checkbox"/> TA 4.1 |
| <input type="checkbox"/> TA 4. n | <input type="checkbox"/> TA 5.1 | <input type="checkbox"/> TA 5.2 | <input type="checkbox"/> TA 7.1 | <input type="checkbox"/> TA 8.1 |
| <input type="checkbox"/> TA 9.1 | <input type="checkbox"/> TA 9.2 | <input type="checkbox"/> TA 10.1 | <input type="checkbox"/> TA 13.1 | <input type="checkbox"/> TA 13.2 |
| <input type="checkbox"/> TA 14.1 | <input type="checkbox"/> TA 15.1 | <input checked="" type="checkbox"/> TA 16.1 | | |

Issue Date

06th February 2025

Expiry Date

31st December 2025

Mr. Vikash Kumar Singh
Director - Compliance

Revision History of the document:

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Feb 2025	Revised to include FOEN requirements

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¹ Please refer to previous version of FM 7.9 for the revision history



Carbon Check (India) Private Limited

Certificate of Competency

Mr. Sanjay Kumar Agarwalla

has been qualified as per CCIPL's internal qualification procedures in accordance with the requirements of CDM AS, A 6.4 AS/ ISO/IEC14065:2020, ISO/IEC 17029:2019 and other applicable GHG programs:

for the following functions and requirements:

- | | | | |
|--|--|---|---|
| <input checked="" type="checkbox"/> Validator | <input checked="" type="checkbox"/> Verifier | <input checked="" type="checkbox"/> Team Leader | <input checked="" type="checkbox"/> Technical Expert |
| <input checked="" type="checkbox"/> Technical Reviewer | <input type="checkbox"/> Validator/Verifier (Trainee) | <input type="checkbox"/> Gender Expert | <input type="checkbox"/> Plastic Waste Expert |
| <input type="checkbox"/> CCB Expert | <input type="checkbox"/> Legal Expert | <input checked="" type="checkbox"/> Financial Expert | <input type="checkbox"/> Environmental, Health and Safety financial matters |
| <input checked="" type="checkbox"/> SDG Expert | <input checked="" type="checkbox"/> Expert Social aspect | <input checked="" type="checkbox"/> Expert Environmental Aspect | <input type="checkbox"/> Health Expert |
| <input checked="" type="checkbox"/> Regional Expert for India and Bangladesh | <input checked="" type="checkbox"/> FOEN Approved Technical Expert | <input type="checkbox"/> FOEN Approved Quality officer | |

in the following Technical Areas:

- | | | | | |
|--|--|---|---|---|
| <input checked="" type="checkbox"/> TA 1.1 | <input checked="" type="checkbox"/> TA 1.2 | <input checked="" type="checkbox"/> TA 2.1 | <input checked="" type="checkbox"/> TA 3.1 | <input checked="" type="checkbox"/> TA 4.1 |
| <input type="checkbox"/> TA 4. n | <input checked="" type="checkbox"/> TA 5.1 | <input checked="" type="checkbox"/> TA 5.2 | <input checked="" type="checkbox"/> TA 7.1 | <input type="checkbox"/> TA 8.1 |
| <input checked="" type="checkbox"/> TA 9.1 | <input checked="" type="checkbox"/> TA 9.2 | <input checked="" type="checkbox"/> TA 10.1 | <input checked="" type="checkbox"/> TA 13.1 | <input checked="" type="checkbox"/> TA 13.2 |
| <input type="checkbox"/> TA 14.1 | <input type="checkbox"/> TA 15.1 | <input checked="" type="checkbox"/> TA 16.1 | | |

Issue Date

06th February 2025

Expiry Date

31st December 2025



Mr. Vikash Kumar Singh
Director - Compliance

Revision History of the document:

Revision Date	Summary of changes
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CCIPL_FM 7.9 Certificate of Competency_V8.0_05022025

¹ Please refer to previous version of FM 7.9 for the revision history



Carbon Check (India) Private Limited

Certificate of Competency

Mr. Vikash Kumar Singh

has been qualified as per CCIPL's internal qualification procedures in accordance with the requirements of CDM AS, A 6.4 AS/ ISO/IEC14065:2020, ISO/IEC 17029:2019 and other applicable GHG programs:

for the following functions and requirements:

- | | | | |
|--|--|--|--|
| <input checked="" type="checkbox"/> Validator | <input checked="" type="checkbox"/> Verifier | <input checked="" type="checkbox"/> Team Leader | <input checked="" type="checkbox"/> Technical Expert |
| <input checked="" type="checkbox"/> Technical Reviewer | <input type="checkbox"/> Validator/Verifier (Trainee) | <input type="checkbox"/> Gender Expert | <input checked="" type="checkbox"/> Plastic Waste Expert |
| <input checked="" type="checkbox"/> CCB Expert | <input type="checkbox"/> Legal Expert | <input checked="" type="checkbox"/> Financial Expert | <input checked="" type="checkbox"/> Environmental, Health and Safety financial matters |
| <input checked="" type="checkbox"/> SDG Expert | <input checked="" type="checkbox"/> Expert Social aspect | <input checked="" type="checkbox"/> Expert Environmental Aspect | <input type="checkbox"/> Health Expert |
| <input checked="" type="checkbox"/> Regional Expert for India/RSA and Spanish speaking countries | | <input checked="" type="checkbox"/> FOEN Approved Technical Expert | <input type="checkbox"/> FOEN Approved Quality officer |

in the following Technical Areas:

- | | | | | |
|---|---|----------------------------------|---|---|
| <input checked="" type="checkbox"/> TA 1.1 | <input checked="" type="checkbox"/> TA 1.2 | <input type="checkbox"/> TA 2.1 | <input checked="" type="checkbox"/> TA 3.1 | <input checked="" type="checkbox"/> TA 4.1 |
| <input checked="" type="checkbox"/> TA 4. n | <input type="checkbox"/> TA 5.1 | <input type="checkbox"/> TA 5.2 | <input checked="" type="checkbox"/> TA 7.1 | <input type="checkbox"/> TA 8.1 |
| <input type="checkbox"/> TA 9.1 | <input type="checkbox"/> TA 9.2 | <input type="checkbox"/> TA 10.1 | <input checked="" type="checkbox"/> TA 13.1 | <input checked="" type="checkbox"/> TA 13.2 |
| <input checked="" type="checkbox"/> TA 14.1 | <input checked="" type="checkbox"/> TA 15.1 | <input type="checkbox"/> TA 16.1 | | |

Issue Date

06th February 2025

Expiry Date

31st December 2025

Mr. Amit Anand
CEO

Revision History of the document:

Revision Date	Summary of changes
Jan 2025 ¹	Revised as per latest organogram
Feb 2025	Revised to include FOEN requirements

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¹ Please refer to previous version of FM 7.9 for the revision history

Revision history:

Revision Number	Revision Date	Summary of changes
00	Nov 2020	New document as per ISO 14065 requirements
01	Jan 2021	Revision in response to NABCB's round 2 desk review observation
02	Nov 2022	Revision due to th NC no.06 issued in ANAB Office Assessment

