Green Carbon
Energy & Environment Services

UCR PROJECT
VERIFICATION REPORT 2022

GCEES

Project Verification Report Form (VR)

CARBON OFFSET UNIT (CoU) PROJECT

Verification Report (VR)

Basic Information

Name of approved UCR Project Verifier/Reference No.	Green Carbon Energy & Environment Services (GCEES)
Validity of UCR approval of Verifier	Valid
Completion Date of this VR	22/08/2022
UCR Project Registration Code	UCR-172
Approved UCR Scopes and GHG Sectoral scopes for Project Verification	Scope: 1 Energy Industries (Renewable/Non-Renewable)
Host Country where project is located	India
Title of the project activity	Wind Power Project in Tamil Nadu by Bannari Amman
Name of Entity requesting verification service **(Can be Project Owners themselves or any Entity having authorization of Project Owners, example aggregator.)**	Green & Clean Sustainability Partners (Authorized Representative of the UCR Project) Bannari Amman Spinning Mills Limited (Project Developer).
Contact details of the representative of the Entity, requesting verification service (Focal Point assigned for all communications)	267/ Sahjeevan Nagar Near Gopur Square, Indore, Madhya Pradesh – 452 009. India.
Applied methodologies (approved methodologies by UCR Standard used)	Applied Baseline Methodology: AMS-I. D: "Grid connected renewable electricity generation", version 16 Standardized Methodology: Not Applicable.
GHG Sectoral scopes linked to the applied methodologies	**SCOPE:** 01 Energy industries (Renewable/Non-Renewable Sources)

Project Verification Criteria: Mandatory requirements to be assessed	• UCR Standard • Applicable Approved Methodology • Applicable Legal requirements /rules of host country • Eligibility of the Project Type Start date of the Project activity • Meet applicability conditions in the applied methodology • Credible Baseline • Emission Reduction calculations • Monitoring Report • No GHG Double Counting
Project Verifier's Confirmation: The UCR Project Verifier has verified the UCR project activity and therefore confirms the following:	• The UCR Project Verifier [Vivek Ahirwar, C/o Green Carbon Energy & Environment Services], certifies the following with respect to the UCR Project Activity [Wind Power Project in Tamil Nadu by Bannari Amman] represented by its Authorized Representative "Green & Clean Sustainability Partners" on behalf of the Project Proponent/Developer Bannari Amman Spinning Mills Limited in Tamil Nadu, India. • The Project Owner has correctly described the Project Activity in the Project Concept Note (version 01, dated 10/06/2022) including the applicability of the approved methodology [AMS-I.D Small-scale Consolidated Methodology: Grid-connected electricity generation from renewable sources, version 16] and meets the methodology applicability conditions and has achieved the estimated GHG emission reductions, complies with the monitoring methodology and has calculated emission reductions estimates correctly and conservatively. • The Project Activity is likely to generate GHG emission reductions amounting to the estimated 17,660 tCO2e per annum, as indicated in the PCN, which are additional to the reductions that are likely to occur in absence of the Project Activity and complies with all applicable UCR rules.

	• The Project Activity is not likely to cause any net-harm to the environment and/or society. During the current verification period a total of **119,798 CoUs achieved.** ➢ The Project Activity complies with all the applicable UCR rules and therefore recommends UCR Program to register the Project activity with above mentioned labels.
Project Verification Report, reference number and date of approval	Verification Report Reference: GCEES/VR/UCR-172 Approved on: 22/08/2022
Name of the authorised personnel of UCR Project Verifier and his/her signature with date	**Name: Vivek Kumar Ahirwar** **Date: 22/08/2022**
Signature:	

Additional Reference:

Proof of Contracting for UCR Verification	Reference
Service Contract with Green & Clean Sustainability Partners	Agreement dated 27/06/2022
UCR Statement for Program Verification and No Conflict of Interest Statement	Statement signed, dated 17/08/2022

SECTION A. PROJECT VERIFICATION REPORT

A.1. Executive summary:

Green Carbon Energy & Environment Services (GCEES), an approved URC Auditor represented by Vivek Kumar Ahirwar, has been appointed by "Green & Clean Sustainability Partners (also referred to as GNCS)_is authorised to act as the Project Authorized Representative of the Project Proponent/Developer Bannari Amman Spinning Mills Limited." to perform an independent UCR verification of its project, "Wind Power Project in Tamil Nadu by Bannari Amman", UCR ref. no. 172 for the reported GHG emission reductions for the given monitoring period from 01/01/2014 to 31/12/2021 (both dates included). As per UCR Standard, a UCR project must undergo independent third-party verification and certification of emission reductions as the basis for issuance of 'Carbon Offset Units' (CoU).

The objectives of this verification exercise are to establish that:

- project activity has been implemented and operated as per the registered PCN/ and that all physical features (technology, project equipment, and monitoring and metering equipment) of the project are in place;
- Monitoring report and other supporting documents are complete;
- The actual monitoring systems & procedures and monitoring report conforms with the requirements of the approved monitoring plan and the approved monitoring methodology;
- The data is recorded and stored as per the monitoring methodology and approved monitoring plan.

A.2. Scope:

The scope of the verification is the independent and objective review and ex post determination of the monitored reductions in GHG emission by the project activity. The verification is based on review of monitoring report, supporting information.

(a) The registered PCN, including the monitoring plan and the corresponding validation opinion(s);

(b) Monitoring report for the monitoring period under verification including CoU calculations sheets and all supporting documents;

(c) The applied monitoring methodology

(d) Relevant decisions, clarifications and guidance from the UCR;

(e) All information and references relevant to the project activity, resulting in emission reductions;

(f) The project is assessed against the requirements of the UCR.

Based on the recommendations in the latest version of UCR requirements for project activity, the Verifier has considered a rule-based approach in the verification, focusing on the identification of significant reporting risks and the reliability of project monitoring.

A.3. Description of project:

The project is tiled under UCR as "Wind Power Project in Tamil Nadu by Bannari Amman", which is a grid connected wind power project located in Dindigul District in the state of Tamil Nadu (India).

The project activity has achieved total GHG emission reduction of **119,798 tCO2e** for overall period of 8 years starting from 01/01/2014 to 31/12/2021 (both days included) during this first monitoring and verification cycle. Since the project activity generates electricity through wind energy, a clean renewable energy source it will not cause any negative impact on the environment and thereby contributes to climate change mitigation efforts.

This small-scale wind Power project was commissioned during the period 17/01/2006 to 08/03/2006. Commissioning certificate verified by the verification team to confirm the date of commissioning. The project was found implemented and operated in line with the information provided in the PCN.

The verification team has also reviewed the history of the project. It has been verified that the project activity was applied under Clean Development Mechanism (CDM) of UNFCCC under the project ID 4877 and title "Wind Power Project in Tamil Nadu by Bannari Amman", which was registered on Crediting period of the project under CDM starts on 01 Aug 2011 and ends on 31 July 2021. The project has already claimed carbon credits under CDM till 30 June 2012.

In continuation with the same, the project can claim credits from 01 July 2012. However, as per UCR guidelines, the earliest crediting can be considered from 01 Jan 2014; hence the first monitoring period considered under UCR is from 01 Jan 2014.

For the fixed crediting period PP had successfully completed the monitoring & verification activities and successfully issued carbon credits. The current UCR verification is therefore not causing any double accounting as after completion of crediting period in CDM PP has not applied for re-registration under any other GHG mechanisms. Currently project is being applied only under UCR in order to issue emission credits for receiving carbon financing. This information is found consistent in the PCN under the prior history section and also verifiable from the CDM web interface.

SECTION B. Project Verification team, technical reviewer and approver

B.1. Project Verification team:

SN	Role	Last Name	First Name	Affiliation	Involvement
1	Lead Auditor	Ahirwar	Vivek	UCR (Representing GCEES, approved by UCR as Verifier)	Document Review Desk Review Remote Assessment UCR documentation
2	Technical Reviewer	Soni	Ravikant	GCEES (Appointed as a technical reviewer of the UCR verification)	Technical Review

SECTION C. Means of Project Verification

C.1. Desk/document review:

The project activity aims to harness kinetic energy of wind (renewable source) to generate electricity. It is capable to generate around 19,622.40 MWh per year as estimated ex-ante value in the registered PCN. The net generated electricity from the project activity has been evacuated to regional grid under a long-term power purchase arrangement with Tamil Nadu Electricity Board (TNEB).

This small-scale wind Power project was commissioned during the period 17/01/2006 to 08/03/2006

Through document review in conjunction with the interview with the plant personnel, the verification team confirms that all physical features of the project activity including technology, data collection systems and storage systems have been implemented in accordance with the Project PCN.

The monitoring plan requires the ex-post monitoring of the net electricity supplied by the project activity ($EG_{BL,y}$) to the national grid, calculated based on measured values of electricity export ($EG_{export,y}$) and electricity import ($EG_{import,y}$) through energy meters installed at grid interface points monthly values taken from the Joint Meter Readings' and invoices.

The energy meters were found to be installed at the respective places as observed through captured photographs by the verification team and through the live video during the remote assessment.

The verification team has reviewed the power purchase agreement to confirm that the power from the project activity is being supplied to the grid in compliance to the applied methodology AMS-I. D Version 16.

The power from the project activity is being sold to the local DISCOM. Power is being evacuated to regional grid under a long-term power purchase arrangement with the Tamil Nadu Electricity Board (TNEB). The Verification team has reviewed the copies of 'Joint Meter Readings' and invoices raised by the project proponent to confirm the same.

The installed equipment such as turbines, generators, transformers and meters (location, serial number, class, manufacturer, etc.) were verified from the photographic evidences and found to be consistent with the information provided in the Monitoring Report.

The project boundaries and all key equipment are in line with the registered PCN. The verification team confirmed during the remote auditing (video conferencing) that the UCR project is completely operational and the name plate details of all key equipment are in line to the registered PCN.

The details of operation of the project activity were cross checked through interviews and found consistent. No major breakdowns, except the regular shutdown period during the operation & maintenance, have been observed during the monitoring period which has not affected the applicability of the applied methodology as reported in the MR.

The allocation of the responsibilities is followed as described in the registered PCN. Routines for the data archiving are defined and documented. Calculations laid down in the monitoring report are in line with registered PCN.

Interviews were carried out with the project site personals and project managers during the audit to verify the actual monitoring system practiced by PO. It was found that the project personals are well aware of their roles & responsibilities, regularly trained as well.

The actual monitoring system practiced for the monitoring period is in line with the monitoring plan provided in the registered PCN. More details are provided in sections below.

The actual emission reductions are 119,798 tCO2e (i.e., CoUs) for the current monitoring period.

C.2. Off-site inspection:

Date:	Activity Performed	Means of communication	Outcome
29/07/2022	Document Review & Interviews	Online via Zoom Meeting Call	Satisfactory and acceptable

C.3. Interviews:

SN	Interviews			Date	Subject
	Last Name	First Name	Affiliation		
1	Pillai	N. Sivathanu	Project Manager sites, Representative of the managing team of the UCR project	29/07/2022	Project Implementation, Monitoring procedure, Monthly JMR & Invoicing practices
2	Bandaru	Ramesh	Site Engineer, Representative of the managing team of the UCR project	29/07/2022	Power evacuation facilities, Energy meters, Monitoring parameters
3	NA (Team)	NA (Team)	Carbon Consulting Team of Client	29/07/2022 & 30/07/2022	Overall UCR Requirements, documentations, baseline, ER calculation, etc.

C.4. Sampling approach:

No sampling has been undertaken; full data set reviewed to arrive on a reasonable level of assurance.

C.5. Clarification request (CLs), corrective action request (CARs) and forward action request (FARs) raised:

The verification team has observed some points where clarification and corrective actions were required to finalize the verification assessment. These were responded by PP and found satisfactory. Please refer to the Appendix D of this report for more details.

SECTION D. Project Verification findings

D.1. Identification and eligibility of project type:

Means of Project Verification	Verifier checked the monitoring report with "UCR Program Verification Standard", version 02. The information in the registered PCN has been referred during verification. The verification of the current monitoring period is found to have met all the requirements.
Findings	A Clarification request was raised related to the date of commissioning of five WTGs as a part of eligibility of the UCR project commissioning eligibility date. The query was responded satisfactorily and hence there is no open finding.
Conclusion	The project is renewable energy project and already registered with UCR, the eligibility requirements of UCR met for the project type.

D.2. General Description of project activity:

Means of Project Verification	Verifier checked the monitoring report against the project description submitted under the registered UCR PCN. Also, while verifying "UCR Program Verification Standard", version 02 has been referred, the verification of the current monitoring period is found to have met all the requirements. Through document review in conjunction with the interview with the project site personnel and UCR consulting team, the verification team confirms that all physical features of the project activity including technology, data collection systems and monitoring systems etc. have been implemented in accordance with the project PCN.
Findings	Corrective action requests were raised during the verification assessment related to the consistency in ER values and PP has responded satisfactorily and hence there is no open finding.
Conclusion	According to UCR Program Verification Standard, version 02, the verifier confirms that: **(a)** The project activity is implemented as per the registered PCN, the project activity was fully commissioned and operational at the time of verification.

	(b) The actual operation of the UCR project activity is in line to the registered PCN, the power generated from the project activity is supplied to national grid through DISCOM. **(c)** The actual emission reduction is reasonable (marginally higher) while comparing with the expected emission reductions for the current monitoring period. **(d)** The ER values are verifiable from the monthly statements, invoices etc. Also, the meters details and test certificates are verified to ensure all monitoring requirements of the project activity. **(e)** Verifier has reviewed the registered PCN including the monitoring plan, the applied monitoring methodology, also the CDM registered PDD and monitoring reports, relevant decisions from UCR.

Application and selection of methodologies and standardized baselines:

a. Application of methodology and standardized baselines:

Means of Project Verification	The verifier was able to confirm that the monitoring plan contained in registered PCN and MR is in accordance with the approved methodology applied for the project activity i.e., AMS-I. D: "Grid connected renewable electricity generation", version 16.
Findings	Nil
Conclusion	MR complies with the monitoring requirement of the applied approved methodology AMS-I. D: "Grid connected renewable electricity generation", version 16 in the context of the project activity.

b. Clarification on applicability of methodology, tool and/or standardized baseline:

Means of Project Verification	N/A
Findings	-
Conclusion	-

c. Project boundary, sources and GHGs:

Means of Project Verification	Project boundary is in line with the applied methodology, and the sources of GHGs etc.
Findings	Nil
Conclusion	Project boundary is in line with the applied methodology.

d. Baseline scenario:

Means of Project Verification	The project activity is installation of a greenfield Power plant, with a capacity of 11.2 MW, the PO has identified the plausible baseline scenario in accordance with applied simplified baseline and monitoring methodology AMS-I. D Version 16 as, "Electricity delivered to the grid by the project activity would have otherwise been generated by the operation of grid-connected power plants.
Findings	Nil
Conclusion	The identification (assumptions and data used) of baseline scenario to the project has been correctly applied and is in accordance with applied methodology and justified, deemed reasonable and is based on objective evidences in context to the project activity.

e. Estimation of emission reductions or net anthropogenic removal:

Means of Project Verification	According to the approved methodology AMS-I. D Version 16, emission reductions are calculated as follows: $ER_y = BE_y – PE_y – LE_y$ Where: ER_y = Emission reductions in year y (tCO_2/y) BE_y = Baseline Emissions in year y ($t CO_2/y$) PE_y = Project emissions in year y (tCO_2/y) LE_y = Leakage emissions in year y (tCO_2/y) As per para 22 of the approved consolidated methodology AMS-I.D. version-16, the Baseline emissions include only CO_2 emissions from electricity generation in power plants that are displaced due to the project activity. The methodology assumes that all project electricity generation above baseline levels would have been generated by existing grid-connected

	power plants and the addition of new grid-connected power plants. The baseline emissions are to be calculated as follows: $BE_y = EG_{PJ,y} \times EF_{grid,y}$ Where: BE_y = Baseline emissions in year y (tCO_2/yr) $EG_{PJ,y}$ = Quantity of net electricity generation that is produced and fed into the grid as a result of the implementation of the project activity in year y (MWh/yr) $EF_{grid,\ y}$ = UCR recommended emission factor of 0.9 tCO_2/MWh has been considered.
Findings	Nil
Conclusion	It is confirmed by the verifier that the CoU against all referenced data sources and the requirements of applied methodology that: a) All data sources and assumptions used are listed and referenced in the PCN and are appropriate. Calculations are correct, applicable to the proposed UCR project activity and resulted in a conservative estimation of the emission reductions; b) All documentation used by project participants as the basis for assumptions and source of data is correctly quoted and interpreted in the PCN; c) All values used in the PCN are considered reasonable in the context of the proposed UCR project activity; d) The baseline methodology has been applied correctly to calculate project emissions, baseline emission, leakage emission and emission reductions. All estimates of the baseline emissions can be replicated using the data and parameter values provided in the PCN and annexure.

f. Monitoring Report

Means of Project Verification	Verifier checked the monitoring report with "Instructions for filling out the monitoring report form" mentioned as attachment to Monitoring report form.
Findings	Finding was raised related to consistency in ER values.
Conclusion	Verifier confirms that final monitoring report is completed using the latest valid version of the applicable monitoring report form, information are consistent, correct and as per the requirement of the MR template.

g. Start date, crediting period and duration

Means of Project Verification	Start date of crediting period is in line with the registered PCN, registered CDM documents and related supporting documents.
Findings	Nil.
Conclusion	Verifier confirms that final monitoring report states the correct crediting period and it is in line with the PCN on the UCR web and also in line with the CDM registered information are consistent.

h. Positive Environmental impacts

Means of Project Verification	Being the Wind Power Project, there is no negative impact envisaged by the project activity. As per 'Central Pollution Control Board (Ministry of Environment & Forests, Govt. of India, (07/03/2016)', it has been declared that wind project activity falls under the "White category". White Category projects/industries do not require any Environmental Clearance such as 'Consent to Operate' from PCB as such project does not lead to any negative environmental impacts. Additionally, as per Indian Regulation, Environmental and Social Impact Assessment is not required for Wind Projects. This information has been addressed under the PCN under section A.1. Also, PP has addressed some of the sustainable development attributes and also it has been verified that at CDM PDD level Stakeholders Consultation meeting was conducted and no negative impact is foreseen by the stakeholders. However, the verification team is able to verify and confirm that the project is resulting in a net carbon positive emission reduction (COUs) and same has been

	transparently reported in the submitted MR supported with the ER spreadsheet. The calculation is verified with the respective data sets. The verifier has reviewed the emission reduction (ER) spread sheet and checked all the formulae and verified them to be correct and in line with the monitoring plan of the registered PCN and the applied monitoring methodology. All the monitored parameters are described in MR. All the ex-ante parameters which are used in the calculation of emission reduction are presented in in MR transparently. It is confirmed that all the ex-ante parameters have been correctly used in the emission reduction calculation. Baseline emissions: $BE_y = EG_{PJ,y} \times EF_{grid,y}$ BE_y = 119,798 tCO2e **Project Emissions:** As per AMS-I. D, version 16, since the project activity is a wind power project, project emission for renewable energy plant is nil. **Thus, PE_y =0.** **Leakage:** As per paragraph 22 of AMS-I.D. version-16; 'No other leakage emissions are considered. **Hence, LE_y = 0** **The final net ER value considered for claim for the current monitoring period after applying the rounded down function on each vantage/year based on the conservative grounds = 119,798 tCO2e (i.e., 119,798 CoUs)**
Findings	Nil
Conclusion	The project does not have any negative impact and has resulted in a net carbon positive emission reduction (COUs) during the current monitoring period and the same has been transparently reported in the submitted MR supported with the ER spreadsheet.

i. Project Owner- Identification and communication

Means of Project Verification	PO has declared that the project is not currently availing carbon credits in other GHG programs for the same monitoring period. Thus, emission reductions generated by project will be solely claimed by PO and PO has the right of use, without any double accounting, which is found acceptable. Also, the verification team has verified that the Net GHG emission reductions or removals generated by this project will not be used for compliance with an emissions trading program or to meet binding limits on GHG emissions as the host country. UCR is a voluntary platform and CoUs are not under any compliance requirement or nor does it have any binding limits.
Findings	Required declaration letters and no double accounting statements etc. were requested and verified.
Conclusion	PO will not claim any other the environmental/carbon credits under any other GHG emission reduction scheme for the crediting period considered under UCR and PO has provided declaration on the same during the verification process. Hence, there is no possibility of double counting.

j. Positive Social Impact

Means of Project Verification	Not reported by PO.
Findings	-
Conclusion	-

k. Sustainable development aspects (if any)

Means of Project Verification	Not reported by PO.
Findings	-
Conclusion	-

D.3. Internal quality control

Following the completion of the assessment process and a recommendation by the verifier provided after undertaking all due diligence. Verifier has experience of more than 300 GHG audits under various sectors and having more than 15 years of experience explicitly in GHG auditing. Therefore, it can be confirmed that all standard auditing techniques applied to complete the verification task, and it's the responsibility of verifier that the reported COUs are calculated in an adequate manner by compiling all the requirements of methodology in conjunction with UCR standard.

D.4. Project Verification opinion

As an accredited auditor, I would like to express an independent GHG verification opinion on the GHG emissions calculation and the overall reporting of the GHG emission reductions from the project for the verified monitoring period based on the required project guidance and compliance to the applied methodology. Based on an understanding of the risks associated with reporting GHG emissions data and the controls in place to mitigate these, verifier planned and performed work to obtain the information and explanations that we considered necessary, to provide sufficient evidence for us to give reasonable assurance that this reported amount of GHG emission reductions for the period is fairly stated.

GCEES hereby confirms the following;

Reporting period : From 01/01/2014 to 31/12/2021

Verified emission in the above reporting period :

Details	Value	Unit
Total baseline emissions (BE)	119,798	tCO2e
Total project emission (PE)	0	tCO2e
Leakage emission (LE)	0	tCO2e
Total net ERs for the entire period	119,798	tCO2e (rounded down)

Vantage Wise Breakup of COUs

Year	Unit	Value
2014	**tCO_2e (CoUs)**	14,710
2015	**tCO_2e (CoUs)**	10,697
2016	**tCO_2e (CoUs)**	18,140
2017	**tCO_2e (CoUs)**	16,670
2018	**tCO_2e (CoUs)**	15,956
2019	**tCO_2e (CoUs)**	14,946
2020	**tCO_2e (CoUs)**	13,988
2021	**tCO_2e (CoUs)**	14,691
Total	**tCO_2e (CoUs)**	**119,798**

APPENDIX A:

Abbreviations:

Abbreviations	Full texts
BE	Baseline Emissions
CAR	Corrective Action Request
CDM EB	CDM Executive Board
CL	Clarification Request
CO2e	Carbon dioxide equivalent
COU	Carbon Offset Units
DISCOM	Distribution Company
DNA	Designated National Authority
DG	Diesel Generator
DOE	Designated Operational Entity
EF	Emission Factor
ERs	Emission Reductions
FAR	Forward Action Request
GHGs	Greenhouse Gas(es)
JMR	Joint Meter Reading
kWh	Kilo Watt Hour
LE	Leakage Emissions
MR	Monitoring Report
MP	Monitoring Plan
MWh	Mega Watt Hour
PE	Project Emissions
PCN	Project Concept Note
PS	Project Standard
PO	Project Owner
QA/QC	Quality Assurance/Quality Control
T	Tonnes

APPENDIX B:

Document reviewed or referenced

No.	Author	Title	References to the document	Remark
1	PO	Initial MR	Version 01, 01/07/2022	Ok
2	PO	Final MR	Version 02, 16/08/2022	Ok
3	PO	ER sheet	Version 01, 01/07/2022	Ok
4	PO	ER sheet	Version 02, 16/08/2022	Ok
5	PO	Registered PCN	Version 01, 10/06/2022, UCR Website	Ok
6	PO	Commissioning Certificates	Corresponding to Project WTGs	Ok
7	PO	Power Purchase Agreement	Corresponding to Project WTGs	Ok
8	PO	Monthly Energy Statements and Invoices	Corresponding to Project activity, for the entire monitoring period	Ok
9	PO	Meter details & calibration	Corresponding to Project WTGs, for the entire monitoring period	Ok
10	PO	Training Records	Corresponding to Project activity, for the entire monitoring period	Ok
11	PO	Declaration on Double-accounting	Corresponding to Project activity, for the entire monitoring period	Ok

APPENDIX C:

Competence of team members and technical reviewers

Vivek Kumar Ahirwar	Vivek Kumar Ahirwar is a BEE-Certified Energy Auditor by Govt of India with over ten years of relevant experience in energy efficiency, energy audit, thermal and electrical energy generation technology from renewable source and energy conservation in energy intensive industries, designated consumers and commercial buildings, implementation of energy conservation building codes, research, process and green building projects. He is a certified lead auditor for ISO 14001 EMS and 14064. He has experience under various categories of projects stating from renewable to waste to supercritical projects and WCD. He has successfully audited more than 100 GHG (CDM/VCS/GS) projects and audits in different states across the India. He has done Master in Technology (Energy Management) from a premier institute, School of Energy & Environmental Studies, DAVV, Indore (M.P.), India and Bachelor of Engineering (Mechanical Engineering) from Govt. Engineering college, Rewa, RGPV, India. In this current UCR verification, Vivek is the lead auditor and team leader, managed end to end to assessment as per UCR requirements,
Ravikant Soni	Ravi Kant Soni is a certified lead auditor for Lead Auditor ISO 14001:2004&Lead Auditor ISO 14064:2006 GHG Inventory and verification. He has more than 10 years of work experience across Climate Change, Environmental Management & Monitoring, Health & Safety Management, and Statutory Compliance. He was involved in more than 100 CDM validation and verifications activities and Gold Standard, VER projects as a team leader/technical reviewer / validator / verifier covering the sectoral scope 1 technical area 1.2., 3.1. He has done Master in Technology (Energy Management) from a premier institute, School of Energy & Environmental Studies, DAVV, Indore (M.P.), India and Bachelor of Engineering (Mechanical Engineering) from M.I.T.S Gwalior Jiwaji University Gwalior, India. In this current UCR verification, Ravikant is acting as the Technical Reviewer and conducted required review of the assessment as per UCR requirements,

APPENDIX D:

Clarification request, corrective action request and forward action request

Table 1. CLs & CARs from this Project Verification

Audit Findings – Verification of "Universal Carbon Registry"

Descriptions	Specifications
Assessment Level:	1st Assessment
Date of release of Assessment:	30/07/2022
Project Title:	Wind Power Project in Tamil Nadu by Bannari Amman.
UCR ID:	172
Verification Period:	01/04/2014 to 31/12/2021

Type	Date	Reference
Clarifications & Documentation	30/07/2022	UCR Monitoring Report, version 01, dated 01/07/2022

Description of the Non Conformance

1. PP is requested to provide all supporting documents related to the project and the current monitoring period.
2. PP is requested to review the CoUs claimed under the section A.1 and to keep values consistent across the MR & ER sheet. Also the required formatting errors to be rectified in the MR.
3. PP is requested to provide the Communication/Authorization letter for the project representor at UCR.
4. PP is requested to provide Declaration of No-Double Accounting as per UCR Requirement.
5. PP is requested to submit the project specific photos and videos for verification purpose.

1st Response from Project Owner/Representative	Date	16/08/2022

1. All required supporting documents have been submitted to Verifier.
2. The CoUs related information are now made consistent across all the sections of the UCR MR.
3. The signed copy of the Communication cum Authorization letter is submitted to Verifier.
4. PP has submitted the signed copy of the Declaration related to No-Double accounting in line with the UCR requirement.
5. The project related photos and videos have been submitted to verifier.

PP has submitted the revised MR, version 02 dated 16/08/2022 for final assessment and approval.

1st Assessment by Audit Team	Date	16/08/2022

Verifier:
The Verification team has done assessment of all the responses and also the revised set of MR and supporting documents have been reviewed. The responses (both CARs and CLs) are found to be satisfactory and the verification team is therefore able to confirm that the requirements are in line with the UCR standard and COUs claim is also conservative, which are measured and verified.

Technical Reviewer:
There is no open comment or additional remarks from the Technical Reviewer.

Hence, accepted and closed.

Assessment Outcome	
Closed : ☒	Forward Action Request : ☐
Open : ☐	

Table 2. FARs from this Project Verification

Not applicable

APPENDIX E:

List of energy meters and their basic details:

SL. NO.	HTSC NO.	METER SL. NO.	MAKE	ACCURACY CLASS
1	1067	HT2160906	EDMI	0.2s
2	1068	HT2160763	EDMI	0.2s
3	1069	HT2160764	EDMI	0.2s
4	1070	HT2160675	EDMI	0.2s
5	1071	HT2160676	EDMI	0.2s
6	1072	HT2160677	EDMI	0.2s
7	1073	17067951	L&T	0.2s
8	1077	17067952	L&T	0.2s
9	1086	17067949	L&T	0.2s
10	1106	17068074	L&T	0.2s

The main meter is tested and calibrated by the TNEB at the time of commissioning of WTG. This is a sealed meter and is controlled by TNEB. Every month, reading of the main meter of each WTG HTSC connection taken by TNEB personnel in presence of O&M personnel (representative of PP).

The verification team has reviewed the calibration certificates and verified the information against the information submitted under Appendix 2 of the Monitoring Report (final version 02). The current validity of the energy meters are beyond the end dates of the current monitoring verification period. Hence there is no specific concern with the energy meters and their accuracy.

History of Documents

Version	Date	Prepared By	Approved By
1.1	27/06/2022	AyushiGarg	Vivek Ahirwar
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Report is issued for further submission at UCR Registry:

Vivek Kumar Ahirwar
Director, GCEES
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