

UCR PROJECT VERIFICATION REPORT 2023

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	24/05/2023
UCR Project Registration Code	UCR-254
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	15 MW Biomass Project, At Shanti G.D Ispatand Power Pvt Ltd
Name of Entity requesting verification service	Shanti G.D. Ispat& Power Private Limited
(can be Project Owners themselves or any Entity having authorization of Project Owners, example aggregator.)	
Contact details of the representative of the Entity, requesting verification service (Focal Point assigned for all communications)	Email ID: orr.sgd@gmail.com Mobile No: +91-9340848186
Applied methodologies (approved methodologies by UCR Standard used)	Applied Baseline Methodology: AMS-I.D: "Grid connected renewable electricity generation", version 18 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[15 MW Biomass Project, At Shanti G.D Ispat and Power Pvt Ltd]. The Project Owner has correctly described the Project Activity in the Project Concept Note (version 01, dated 18/10/2022) including the applicability of the approved methodology [AMS-I.D Small-scale Consolidated Methodology: Grid-connected electricity generation from renewable sources, Version 18.0] and meets the methodology applicability conditions and has achieved the estimated GHG emission reductions, complies with the monitoring methodology and has calculated emission reductions estimates correctly and conservatively. The Project Activity was designed to generate GHG emission reductions amounting to the estimated is 93,790tCO2e 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. However, actual claim achieved during the current monitoring period is 843,929tCO2e annualized average. During the current verification perioda total



Name of the authorised personnel of UCR Project Verifier and his/her signature with date Signature:	Name: Vivek Kumar Ahirwar Date: 24/04/2023
Project Verification Report, reference number and date of approval	Verification Report Reference: GCEES/VR/UCR-254 Approved on:24/04/2023
	of 843,929CoUs achieved. The Project Activity is not likely to cause any net-harm to the environment and/or society. The Project Activity complies with all the applicable UCR rules and therefore recommends UCR Program to register the Project activity with above mentioned labels.

Additional Reference:

Proof of Contracting for UCR Verification	Reference
Service Contract with Gemco Energy Limited	Agreement dated, 13/01/2023
UCR Program Verification and No Conflict-of- Interest Statement	Statement signed, dated 02/01/2023
UCR Assurance statement on double accounting	Statement signed, dated 02/02/2023



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 "Shanti G.D. Ispat& Power Private Limited." to perform an independent UCR verification of its project, "15 MW Biomass Project, At Shanti G.D Ispat and Power Pvt Ltd", UCR ref. no. 254 for the reported GHG emission reductions for the given monitoring period from 01/01/2014 to 30/11/2022 (both dates included). As per UCR Standard, aUCR 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 "15 MW Biomass Project, At Shanti G.D Ispat and Power Pvt Ltd", which is a grid connected biomass power project located in Janjgir-Champa district in the state of Chhattisgarh (India).

The project activity has achieved total GHG emission reduction of **843,929tCO₂e**for overall period of 8 years, 10 months starting from 01/01/2014 to 30/11/2022 (both days included) during this first monitoring and verification cycle. Since the project activity generates electricity through biomass 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 biomass Power project has already been commissioned during the period23/09/2013. 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 project activity is promoted by "Shanti G.D. Ispat& Power Private Limited" hereinafter called as project proponent or PP. The project activity is installation and operation of a 75 TPH biomass-based boiler in village Mahuda of Janjgir- Champa district in the state of Chhattisgarh in India.

The verification team has verified the status of commissioning of the project and found accurate as per record, as follows:

Boiler		Commissioning
		Date
Type	Multi fuel fired, Circulating Fluidized Bed	23/09/2013
	Combustion Boiler	
No. of boilers	1	
Boilers capacity/system	75 TPH	
flowrate		
Steam pressure ate super	90 Kg/Cm2	
heater outlet		
Steam temperature at super	5150C +/- 5%	
heater outlet		
Turbo-Generator Rated		
Туре	Extraction cum condensing	23/09/2013
Capacity	15 MW /15000 KWh	
Steamparameter at TG inlet	84 Kg/Cm2	
Steam temperature at TG	515 °C	
inlet		
Generator Voltage	11 KV	
Frequency	50 Hz	



RPM	6053	
Power factor	0.9	

S no	Installation date	Date Replacement	Meter Location	Make	Meter service no	Accuracy Class	condition
1	Since Commisioning	IN SERVICE	GENERATION	L&T	12023157	0.5\$	Functional
2	12-Apr-17	IN SERVICE	EXPORT BILLING CSEB (ABT Check METER)	secure	Y0319673	0.25	Functional
3	12-Apr-17	30-Jun-21	EXPORT BILLING CSEB	secure	Y0319672	0.25	N/A
4	21-Jun-21	IN SERVICE	(ABT MAIN METER)	secure	CSE52157	0.2\$	Functional

The status of commissioning and location details has been verified.



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:

As per the registered project document and based on the ex-ante project calculation, it has been verified that the project activity utilises the renewable biomass for generation of electricity and is capable to generate around 13023.65 MWh per year, which is estimated based on operation with around 90% utilization factor with efficient utilization of the available biomass energy through adoption of an efficient and modern technology. The net generated electricity from the project activity has been evacuated to regional grid under a long-term power purchase arrangement with the CGEB, as verified from the power purchase agreement.

This small-scale Biomass power project has already been commissioned as on 23/09/2013.

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 the plant switchyard outgoing feeder grid interconnection point. The monthly values taken from the Joint Meter Readingsand invoices which is found to be a standard practice.

The energy meters were found to be installed at the respective places as observed through captured photographs by the verification.

The verification team has reviewed the power purchase agreement & the subsequent amendment copy to confirm the capacity and also that the power from the project activity is being supplied to the grid in compliance to the applied methodology AMS-I. D Version 18.

The net generated electricity from the project activity is sold to the,national grid under the Power Purchase Agreement (PPA) signed between the PP and the utility. In pre-project scenario, electricity delivered to the grid by the project activity would have otherwise been generated by the operation of fossil fuel-based grid-connected power plants and by the addition of new fossil fuel-based generation sources in the grid. As the nature of the biomass project, no fossil fuel is involved for power generation in the project activity apart from emergency fuel.

The installed equipment such as turbines, generators, DG set, 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 onsite visit 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.



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 achieved are **8,43,930 tCO2e** (i.e.,**8,43,930CoUs**) for the current monitoring period. This value is the sum of all the monthly results, which is then expressed in yearly total and thereby derived most conservative manner by rounding down all values to arrive at the final ER. All the input values and the results were verified, found accurate and hence accepted.

C.2.Off-site inspection:

Date:	Activity Performed	Means of communication	Outcome
N/A	N/A	N/A	N/A

This section is not applicable as on-site visit has been done on dated 19/01/2023.

C.3. Interviews:

CNI	Interviews			Date	Subject
SN	Last Name	First Name	Affiliation		
1	Ji	Nagraj	Plant Head	19/01/2023	Regarding
					monitoring of the
					project activities
2	Agarwal	Harshit	Director	19/01/2023	ER calculation
					and Bills
3	Baid	Tejsh	Consultant	19/01/2023	Invoices and
					project activity

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 reports with "UCR Program Verification Standard", and referred the version 02 as final. 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	Nil.
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	responded satisfactorily and hence there is no open finding. 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 reductionis reasonable (marginally lower) 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, 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 18.
Findings	Nil
Conclusion	MR complies with the monitoring requirement of the applied approved methodology AMS-I. D: "Gridconnected electricity generation from renewable sources" (version 18) in the context of the project activity.

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

Means of Project Verification	N/A
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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
	methodo	ology.						



d. Baseline scenario:

Means of Project Verification	The project activity is installation of a greenfield Power
Wicans of Froject Vermeation	
	plant, with a capacity of 15 MW, the PO has identified
	the plausible baseline scenario in accordance with applied
	simplified baseline and monitoring methodology AMS-I.
	D Version 18as, "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 methodologyAMS-I. DVersion 18, emission reductions are calculated as
	follows:
	$ER_y = BE_y - PE_y - LE_y$
	Where:
	$ER_v = Emission reductions in year y (tCO2/y)$
	$BE_v = Baseline Emissions in year y (t CO2/y)$
	$PE_v = Project emissions in year y (tCO2/y)$
	LE_y = Leakage emissions in year y (tCO ₂ /y)
	As per para 19 of the approved consolidated
	methodology AMS-I. DVersion 18,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:
	The buseline emissions are to be calculated as follows.
	$BE_y = \text{EG BL,y} \times EF_{grid,y}$
	y grim,y
	Where:
	BE _v =Baseline emissions in year y (tCO ₂ /yr)
	22y 2asemis omissions in jour j (too j ji)



	EG BL,y= Net electricity supplied to the grid by the project activity (MWh/year) 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.
Findings	Finding was raised related to the commissioning of the project and clarified by PP satisfactorily.
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 commissioning certificate provided.

h. Positive Environmental impacts

Means of Project Verification	Being the Biomass 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 biomass-based power project activity falls
	under the "Green category". Green 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 biomass-based Projects.
	required for biolitass-based frojects.
	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:

 $BE_y = \text{EG BL,y,} \times EF_{grid,y}$ $BE_y = 843,929\text{tCO2e}$

Project Emissions:

As per para 39AMS-I. Diversion 18, since the project activity is a biomass power project, project emission for renewable energy plant is nil.

Thus, $PE_v = 0$.

Leakage:

As per paragraph 22 of AMS-I. Dversion-18; 'No other leakage emissions are considered.

Hence, $LE_v = 0$

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 = 843,929tCO2e(i.e., final considered value is 843,929CoUs, which is conservative)

	conservative)
Findings	Finding was raised related to the incorrect value in the
	ER sheet, which was rectified by PP satisfactorily.
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

Moons of Project Verification	DO has dealared that the project is not augmently			
Means of Project Verification	PO has declared that the project is not currently			
	registered or availed carbon credits in other GHG			
	programs. Thus, emission reductions generated by			
	project will be solely claimed by PO and PO has the			
	right of use, which is 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	Nil			
Conclusion	PO will not claim any other the environmental/carbon			
	credits under any other GHG emission reduction			
	scheme for the crediting period under UCR and PO			
	has provided declaration on the same during the			
	validation. Hence, there is no possibility of double			
	counting.			

j. Positive Social Impact

Means of Project Verification	Not reported by PO.		
	However, during the verification process CSR related		
	activities were discussed, supporting documents were		
	reviewed and found positive social impact caused by		
	the PO.		

k. Sustainable development aspects (if any)

Means of Project Verification	Not reported by PO.
	However, during the verification process CSR related
	activities were discussed, supporting documents were
	reviewed and found positive social impact caused by
	the PO.



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.

GCEEShereby confirms the following;

Reporting period : From 01/01/2014 to 30/11/2022

Verified emission in the above reporting period :

Details	Value	Unit
Total baseline emissions (BE)	843,929	tCO2e
Total project emission (PE)	0	tCO2e
Leakage emission (LE)	0	tCO2e
Total net ERs for the entire period	843,929	tCO2e (rounded down)

Vantage Wise Breakup of COUs

Year	Unit	Value
2014	tCO ₂ e (CoUs)	81,163
2015	tCO ₂ e (CoUs)	91,010
2016	tCO ₂ e (CoUs)	98,198
2017	tCO ₂ e (CoUs)	95,336
2018	tCO ₂ e (CoUs)	96,798
2019	tCO ₂ e (CoUs)	101,861
2020	tCO ₂ e (CoUs)	100,630
2021	tCO ₂ e (CoUs)	101,560
2022*	tCO ₂ e (CoUs)	77,373
Total	tCO ₂ e (CoUs)	843,929



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		Remark
			document	
1	PO Initial MR		Version 01, 25/11/2022	Ok
2	PO	Final MR	Version 02, 24/12/2022	Ok
3	PO	ER sheet	Version 01, 25/11/2022	Ok
4	PO	ER sheet	Version 02, 22/12/2022	Ok
5	РО	Registered PCN	Version 01, 15/10/2022, UCR Website	Ok
6	PO	Commissioning Certificates	Corresponding to Project Technology equipment	Ok
7	7 PO Power Purchase Agreement& Copy of the amendment letter		Corresponding to Project.	Ok
8	РО	Monthly Energy Statements and Invoices	Corresponding to Project activity, for the entire monitoring period	Ok
9	РО	Meter details & calibration	Corresponding to Project, for the entire monitoring period	Ok
10	РО	Training Records	Corresponding to Project activity, for the entire monitoring period	Ok
11	РО	Declaration on Double- accounting	Corresponding to Project activity, for the entire monitoring period, dated 02/01/2023.	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,	
RavikantSoni	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



APPENDIX E:

Energy Meter Details applicable for the project activity verified during the verification, each calibration is valid for 5 years as per the 'CEA' which is the central regulator in India for power sector. The available meter test/calibration reports were reviewed across the monitoring period and found satisfactory. The last applicable meter calibration details are referred under the table below to confirm the overall adherence to the registered PCN and monitoring provisions. The summary is submitted below:

S no	Installation date	Date Replacemen t	Meter Location	Make	Meter service no	Accuracy Class	condition
1	Since Commissionin g	IN SERVICE	GENERATION	L&T	12023157	0.5S	Functional
2	12-Apr-17	IN SERVICE	EXPORT BILLING CSEB (ABT Check METER)	secure	Y0319673	0.25	Functional
3	12-Apr-17	30-Jun-21	EXPORT BILLING CSEB (ABT	secure	Y0319672	0.25	N/A
4	21-Jun-21	IN SERVICE	MAIN METER)	secure	CSE52157	0.25	Functional



History of Documents

Version	Date	Prepared By	Approved By
1.1	27/06/2022	AyushiGarg	Vivek Ahirwar
1.0	14/05/2022	AyushiGarg	Vivek Ahirwar

Report is issued for further submission at UCR Registry:

Vivek Kumar Ahirwar Director, GCEES

24, April, 2023 / Indore, India.