Project Verification Report

2021

COVER PAGE

Project Verification Report Form (VR)

BASIC INFORMATION	
Name of approved UCR Project Verifier / Reference No.	Enviance Services Private Limited
Type of Accreditation	☐ CDM or other GHG Accreditation ☒ ISO 14065 Accreditation
Approved UCR Scopes and GHG Sectoral scopes for Project Verification	01 Energy industries (Renewable/Non-Renewable Sources)
Validity of UCR approval of Verifier	30/09/2027
Completion date of this VR	27/05/2025
Title of the project activity	10 MW solar Power plant in Karnataka by M/s Bhoruka Power Corporation Limited
Project reference no. (as provided by UCR Program)	UCR 493
Name of Entity requesting verification service (can be Project Owners themselves or any Entity having authorization of Project Owners, example aggregator.)	Viviid Emissions Reductions Universal Pvt. Ltd.
Contact details of the representative of the Entity, requesting verification service (Focal Point assigned for all communications)	Name: Lokesh Jain Email ID – lokesh.jain@viviidgreen.com
Country where project is located	India
Applied methodologies (approved methodologies by UCR Standard used)	AMS.I-D Grid-connected electricity generation from renewable sources ---Version 18.0
GHG Sectoral scopes linked to the applied methodologies	01 Energy industries (Renewable/Non-Renewable Sources)
Project Verification Criteria:	☒ UCR Standard ☒ Applicable

Mandatory requirements to be assessed	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 ☒ Do No Harm Test ☒ Emission Reduction calculations ☒ Monitoring Report ☒ No GHG Double Counting ☐ Others (please mention below)
Project Verification Criteria: Optional requirements to be assessed	☒ Environmental Safeguards Standard and do-no-harm criteria ☒ Social Safeguards Standard do-no-harm criteria
Project Verifier's Confirmation: The *UCR Project Verifier* has verified the UCR project activity and therefore confirms the following:	The UCR Project Verifier Enviance Services Private Limited, certifies the following with respect to the UCR Project Activity 10 MW solar Power plant in Karnataka by M/s Bhoruka Power Corporation Limited. ☒ The Project Owner has correctly described the Project Activity in the Project Concept Note 2 (dated *03/05/2025*) including the applicability of the approved methodology *AMS.I-D 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 is likely to generate GHG emission reductions amounting to the estimated 171,363 TCO_{2e}, 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, including ISO 14064-2 and ISO 14064-3. ☒ The Project Activity is not likely to cause any net-harm to the environment and/or society ☒ The Project Activity complies with all the applicable UCR rules[1] and therefore recommends UCR Program to register the Project activity with above mentioned labels.
Project Verification Report, reference number and date of approval	Verification Report UCR Reference number: 493 Date of approval: 27/05/2025

1https://a23e347601d72166dcd6-16da518ed3035d35cf0439f1cdf449c9.ssl.cf2.rackcdn.com//Documents/UCRtermsandconditionsFeb2025Ver10_060225131005345918.pdf

Name of the authorised personnel of UCR Project Verifier and his/her signature with date	 Vidhya Muralikrishna Quality Manager Date:27/05/2025

PROJECT VERIFICATION REPORT

Executive summary

The project activity is titled- “10 MW solar Power plant in Karnataka by M/s Bhoruka Power Corporation Limited”.
It is a solar-power Project located in Rangenahalli, Sidlayyanakotte and Bidarakere Village, Hiriyur Taluk, Chitradurga Dist, Karnataka State, India, has been effectively commissioned by Karnataka Power Transmission Corporation Limited (KPTCL). This project comprises of solar panels spread across the different villages.

The project has been operational since 12 Nov 2014, owned by Bhoruka Power Corporation Limited.

Commissioning date and geo Co-ordinates of the project activity is mentioned in the table below:

Company Name	Plant Capacity (MW)	Location	Commissioning Date	Geo Co-Ordinates
Bhoruka Power Corporation Limited	10	Rangenahalli, Sidlayyanakotte and Bidarakere Village, Hiriyur Taluk, Chitradurga Dist, Karnataka	12/11/2014	Latitude: 14° 4.7’ N Longitude: 76°43.2’ E

Proposed solar power project has evolved as a result of the policies of Government of India and Government of Karnataka, which encourages energy development from renewable sources. These policies have given fresh impetus to solar power generation.

The Project Activity is a greenfield solar project and the electricity generated by the project is exported to the national grid of India. According to the power purchase agreements, the net generated electricity from the project activity is for selling it to Bangalore Electricity Supply Company Ltd (BESCOM) by the project proponent. The power produced by the Project Activity is evacuated at 66 KV Rangenahalli substation. As per DPR plant load factor is of 22.43%. This annual average net electricity generation and annual average GHG emission reductions are with application of degradation factor of 0.70% from second year.

The core objective of this project activity is to displace an equivalent amount of electricity which would have otherwise been generated by fossil fuel dominant electricity grid. The estimated lifetime of the project activity is considered as 25 years for solar technology. In the Pre- project scenario the entire electricity, consumed by the customers or delivered to the grid by, would have otherwise been generated by the operation of grid-connected power plants and by the addition of new generation sources.

The project consists of ground mounted photo voltaic solar plant with aggregated installed capacity of 10 MW. The plant was commissioned by the respective authority of government of Karnataka. The project generates clean energy by utilizing the solar Radiations.

The applied technology is considered to be one of the most environment friendly technologies available as the operation of the Solar photovoltaic does not emit any GHGs or any other harmful gases unlike the operation of conventional power plants. Photovoltaic module consists of several photovoltaic cells connected by circuits and sealed in an environmentally protective laminate, which forms the fundamental building blocks of the complete PV generating unit. Several PV panels mounted on a frame are termed as PV Array.

The generation of power from solar photovoltaics is a clean technology as there is no fossil fuel-fired or no GHG gases are emitted during the process. A photovoltaic module consists of several photovoltaic cells connected by circuits and sealed in an environmentally protective laminate, which forms the fundamental building blocks of the complete PV generating unit. Several PV panels mounted on a frame are termed PV Array. Thus, project activity leads to a reduction the GHG emissions as it displaces power from fossil fuel-based electricity generation in the regional grid. Since the project activity generates electricity through solar energy, a clean renewable energy source it will not cause any negative impact on the environment and thereby contributes to climate change mitigation efforts.
The electricity generation for the current monitoring period is 163,410.721284 MWh and total GHG emission reduction is 1,44,871 tCO_2e.
The project activity also contributes to SDG goals 7,8 and 13.

The crediting period of the project activity is 10 years, 01 month, 19 days in which total estimated electricity generation is 19041 MWh annually and the total GHG emission reduction estimated is 171,363 tCO_2e. Also, the annual average estimated emission reductions from project activity are 17,136 tCO_2e. During the monitoring period 1,44,876 tCO_2e of emission reduction has been reported.

Scope of Verification

The scope of the services for the project is to perform Project Verification of concerned Project Activity. The scope of verification is to assess the claims and assumptions made in the Project Concept Note (PCN) and Monitoring Report (MR) against the UCR criteria, including but not limited to, UCR program verification guidance document, UCR Standard, UCR Program Manual, and related rules and guidelines established under Program process.

Verification Process and Methodology

The verification process was undertaken by a competent verification team and involved the following,

- Desk review of documents and evidence submitted in context of the reference rules and guidelines issued by UCR,
- Undertaking/conducting site visit/remote audit, interview or interactions with the

representative of the project owners/representatives,

- Reporting audit findings with respect to clarifications and non-conformities and the closure of the findings, as appropriate and preparing a draft verification opinion based on the auditing findings and conclusions
- Finalization of the verification opinion (this report)

Desk/Document review

A detailed desk review of the PCN, MR, Methodology and all other associated documentation and references took place in advance of the site visit, and additional documents that were not available for the desk review were requested for review during the site visit. Additional information can be required to complete the verification, which may be obtained from other public and reliable sources or through telephone and face to face interviews with key stakeholders (including the project developers and where necessary, government and NGO representatives in the host country).

A list of all documents reviewed or referred to in the course of this verification is included in Appendix 3 below.

Follow up interviews/site visit

The verifier conducted remote audit and had requested for site photographs, short videos. A remote interview was conducted with the project owners and stakeholders.

Conclusion

Based on the work performed, the verifier concludes that in the project activity “10 MW solar Power plant in Karnataka by M/s Bhoruka Power Corporation Limited”, the information and data presented in the MR version 3 dated 05/05/2025 is in line with the Project Concept Note Version 2 dated 03/05/2025 and meets all relevant requirements of the UCR for UCR project activities. The UCR project activity correctly applies the methodology “AMS.I-D Grid-connected electricity generation from renewable sources ---Version 18.0” leading to result in real, measurable and long-term emission reductions achieved for the current monitoring period.

For the current monitoring period, verified emission reductions achieved by the project activity were as below;

Start date of monitoring period	12/11/2014
End date of monitoring period	31/12/2024
Emission reductions achieved	1,44,871 tCO_2 eq

Project Verification team, technical reviewer and approver

Project Verification team

No.	Role	Last name	First name	Affiliation (e.g. name of central or other office of UCR Project Verifier or outsourced entity)	Involvement in		
					Doc review	Off-Site inspection	Interviews
1.	Team Leader/ Technical Expert	Kumar	Pankaj	Enviance Services Private Limited	Yes	Yes	Yes
2.	V-V Trainee/ Technical Expert in Trainee	Jain	Vipul	Enviance Services Private Limited	Yes	Yes	Yes
3.	V-V Trainee/ Technical Expert in Trainee	Mahajan	Swati	Enviance Services Private Limited	Yes	Yes	Yes

Technical reviewer and approver of the Project Verification report

No.	Role	Type of resource	Last name	First name	Affiliation (e.g. name of central or other office of UCR Project Verifier or outsourced entity)
1.	Technical reviewer	Contracted	-	Vijayanand	Contractual resource
2.	Approver	Internal	Krishna	Vidhya Murali	Enviance Services Private Limited

Means of Project Verification

Desk/document review

A detailed desk review of the PCN, MR, methodology and all other associated documentation and references took place in advance of the remote audit, and additional documents that were not available for the desk review were requested for review during the remote audit. Additional information can be required to complete the verification, which may be obtained from other public and reliable sources or through telephone and face-to face interviews with key stakeholders (including the project developers and where necessary, Government and NGO representatives in the host country).

A list of all documents reviewed or referred to in the course of this verification is included in Appendix 3 below.

Off-site inspection

Date of off site inspection: 26/03/2025			
No.	**Activity performed Off-Site**	**Site location**	**Date**
1.	a) An assessment of the implementation and operation of the project activity as per the PCN and UCR requirements b) Verification of the project design, as documented is sound and reasonable, and meets the identified criteria of UCR Standard Requirements and associated guidance c) Assessment to conformance with the certification criteria as laid out in the UCR Standards; d) Evaluation of the conformance with the certification scope, including the GHG project and baseline scenarios, additionality; GHG sources, sinks, and reservoirs; and the physical infrastructure, activities, technologies and processes of the GHG project to the requirements of the UCR; e) Evaluation of the calculation of GHG emissions, including the correctness and transparency of formulae and factors used; assumptions related to estimating GHG emission reductions; and uncertainties; and determination whether the project could reasonably be expected to achieve the estimated GHG reduction/removals. f) Review of information flows for generating, aggregating and reporting of the parameters to be monitored g) To confirm that the operational and data collection procedures can be implemented in accordance with the Monitoring Plan h) Cross-check of information provided in the submitted documents and data from other sources available at site i) Review of calculations and assumptions made in determining the GHG data and estimated ERs, and an identification of QA/QC procedures in place to prevent, or identify and correct, any errors or omissions in the reported monitoring parameters Interviews of local Stakeholders	Rangenahalli, Sidlayyanakotte and Bidarakere Village, Hiriyur Taluk, Chitradurga Dist, Karnataka State, India	26/03/2025

Interviews

No.	Interview			Date	Subject
	Last name	First name	Affiliation		
1.	-	Mr. Gangadhara	Bhoruka Power Corporation Limited	26/03/2025	Project Implementation, Monitoring plan, Project Boundary, Eligibility criteria, Host country requirements, Emission reduction calculations Project implementation, monitoring, Local stakeholder consultation
2.	-	Mr. Punith			
3.	-	Mr. Anil Kumar			
4.	R.M.	Nikhil	Viviid emissions reductions universal private Ltd.		
5.	-	Sri Sai Agri House			
6.	-	Agraganyaye Tours & Travels	Local Stakeholder		

Sampling approach

Clarification request (CLs), corrective action request (CARs) and forward action request (FARs) raised

Areas of Project Verification findings	No. of CL	No. of CAR	No. of FAR
Green House Gas (GHG)			
Identification and Eligibility of project type	-	-	-
General description of project activity	02	-	-
Application and selection of methodologies and standardized baselines	-	-	-
- Application of methodologies and standardized baselines	-	-	-
- Deviation from methodology and/or methodological tool	-	-	-
- Clarification on applicability of methodology, tool and/or standardized baseline	-	-	-
- Project boundary, sources and GHGs	-	-	-
- Baseline scenario	-	-	-
- Estimation of emission reductions or net anthropogenic removals	01	01	-
- Monitoring Report	-	02	-
Start date, crediting period and duration	-	02	-
Environmental impacts	-	-	-
Project Owner- Identification and communication	-	-	-
Others (please specify)	01	-	-
Total	**04**	**05**	-

Project Verification findings

Identification and eligibility of project type

Means of Project Verification	The project has an installation of a 10 MW solar power capacity and hence it qualifies as a small-scale project. This is confirmed based on the commissioning certificates and technical specifications. Since the project is a small-scale project, it has applied approved CDM large scale methodology AMS.I-D Grid-connected electricity generation from renewable sources ---Version 18.0. The Project owner has used valid MR form available at the UCR website for the preparation of MR for the current project activity. The project has prepared MR in line with UCR guidance and requirements.
Findings	No findings raised.
Conclusion	The UCR-approved format is used for description and the project meets the requirement of the UCR verification standard and UCR project standard. UCR project communication agreement was submitted to the verifier and the same has been verified. Methodology referenced and applied appropriately describing the project type. The eligibility of the project aggregator is verified using the UCR communication agreement, project correctly applies the verification standard, UCR project standard, and UCR regulations. The project activity is overall meeting the requirements of the UCR Verification standard and UCR project standard.

General description of project activity

<table>
<tr><td>Means of Project Verification</td><td>The project activity involves the operation of a 10 MW of small-scale solar power project and its commissioning date and power evacuation at the substation were verified through the commissioning certificate of the project. The power purchase agreement confirms the companies/entities involved in the agreement for purchase of electricity from the 10 MW (Rangenahalli, Sidlayyanakotte and Bidarakere Village, Hiriyur Taluk, Chitradurga Dist, Karnataka, India) project.

Assessment team conducted documentation review of the PCN against the UCR program verification standard version 2.0 and UCR CoU Standard (project eligibility criteria) version 7.0 and the UCR-PCN-FORM Version 1.0.

By checking the supporting documents, it is confirmed that the project is a greenfield solar power project, the project is spread across Rangenahalli, Sidlayyanakotte and Bidarakere Village, Hiriyur Taluk, Chitradurga Dist, Karnataka of India. The approximate geo-coordinates of the project locations are mentioned below.

<table>
<tr><th>Company Name</th><th>Plant Capacity (MW)</th><th>Location</th><th>Commissioning Date</th></tr>
<tr><td>Bhoruka Power Corporation Limited</td><td>10</td><td>Rangenahalli, Sidlayyanakotte and Bidarakere Village, Hiriyur Taluk, Chitradurga Dist, Karnataka</td><td>12/11/2014</td></tr>
</table>

Assessment team performed an offsite inspection of project and confirmed that the location described in the PCN are accurate.
The Project is a solar power project, to utilize solar energy to generate zero carbon emission electricity which is mainly dominated by fossil fuel power output. The project includes integrated power transmission mechanism, high performance solar PV modules, inverters, set up transformers and module mounting systems, other relay & protection systems, microprocessor based fully automatic control system with user friendly operation and central monitoring system. Quality, Safety and Health plan for construction, installation, commissioning and Operation & Maintenance.</td></tr>
<tr><td>Findings</td><td>CL 01 and CL 03 were raised and closed successfully. More information presented appendix below.</td></tr>
<tr><td>Conclusion</td><td>The description of the project activity is verified to be true based on the review of PCN, MR, Commissioning Certificate and power purchase agreement.</td></tr>
</table>

Application and selection of methodologies and standardized baselines

(.a.i) Application of methodology and standardized baselines

Means of Project Verification	The project has taken the reference of CDM methodology AMS.I-D Grid-connected electricity generation from renewable sources ---Version 18.0. CDM website is referred to check the latest version of the methodology. For the applicability mentioned in the PCN and MR, technical Specification, and commissioning certificate.
Findings	No findings raised.
Conclusion	The methodology applied is appropriately meeting the requirements of UCR and its standardized baseline. The methodology version is correct and valid. The referenced methodology is applicable to project activity.

(.a.ii) Clarification on applicability of methodology, tool and/or standardized baseline

Means of Project Verification	The documents reviewed are CDM methodology AMS.I-D Grid-connected electricity generation from renewable sources ---Version 18.0, UCR Program standard, and UCR Verification Standard.
Findings	No findings raised.
Conclusion	The verification team confirms that all the applicability criteria set by the applied CDM methodology and its eligible tools are met. The relevant information against those criteria is also included in the PCN and MR Ver.2. The selected CDM methodology for the project activity is applicable.

(.a.iii) Project boundary, sources and GHGs

Means of Project Verification	Project owner has considered project boundary as per applicable methodology AMS.I-D Grid-connected electricity generation from renewable sources ---Version 18.0, “the spatial extent of the project boundary includes the project power plant/unit and all power plants/units connected physically to the electricity system that the project power plant is connected to.” Review of PCN and MR confirms that project sites and Indian electricity grid system is considered as a project boundary which is appropriate.
Findings	No findings raised
Conclusion	The project boundary is correctly defined in the PCN and MR. GHGsources are correctly identified and reported. The project meets the requirements of UCR project standard, Verification standard andmethodology requirements for a boundary, GHG sources.

(.a.iv) Baseline scenario

Means of Project Verification	As per the applied methodology AMS.I-D Grid-connected electricity generation from renewable sources ---Version 18.0 the baseline scenario is as following: The baseline scenario is that the electricity delivered to the grid by the project activity would have otherwise, been generated by the operation of grid-connected power plants and by the addition of new generation sources into the grid. Remote audit conducted and document review showed that in absence of the project activity, the generated electricity would have been supplied by the Indian grid which is dominated by fossil fuel fired plants.
Findings	No findings raised.

Conclusion	The approved baseline methodology has been correctly applied to identify a realistic and credible baseline scenario, and the identified baseline scenario most reasonably represents what would occur in the absence of the proposed UCR project activity. All the assumption and data used by the project participants are listed in the PCN and/or supporting documents. All documentation relevant for establishing the baseline scenario are correctly quoted and interpreted inthe PCN. Assumptions and data used in the identification of the baseline scenario are justified appropriately, supported by evidence and can be deemed reasonable.

(.a.v) Estimation of emission reductions or net anthropogenic removal

Means of Project Verification	The project verification team checked whether the equations and parameters used to calculate GHG emission reductions or net anthropogenic GHG removals for PCN and MR are in accordance with applied methodology. Project verification team checked section B.5 and C.5.1 of the PCN & MR respectively to confirm whether all formulae to calculate baseline emissions, project emission and leakage have been applied in line with the underlying methodology. The emission reduction calculation has been carried out as per the CDM methodology AMS.I-D Grid-connected electricity generation from renewable sources ---Version 18.0 As per the CDM approved AMS-I.D.: “Grid connected renewable electricity generation”, version 18, paragraph 22, Baseline emissions include only CO2 emissions from electricity generation in fossil fuel fired 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 as existing grid-connected power plants and the addition of new grid-connected power plants. $BE_y = EG_{PJ,\,y} \times EF_{grid,\,CM,\,y}$ Where; BE_y : Baseline emissions in year y (tCO_2/year) $EG_{PJ,\,y}$: Quantity of net electricity generation that is produced and fed into the grid as a result of the implementation of the GCC project activity in year y (MWh/year) $EF_{grid,CM,\,y}$: Combined margin CO_2 emission factor for grid connected power generation in year y (tCO_2/MWh) A "grid emission factor" refers to a CO_2 emission factor (tCO_2/MWh) which will be associated with each unit of electricity provided by an electricity system. The UCR recommends an emission factor of 0.9 tCO_2/MWh for the 2013-2023 years as a fairly conservative estimate for Indian projects not previously verified under any GHG program. Also, for the vintage 2021, the combined margin emission factor calculated from CEA database in India results into higher emission than the default value. Hence, the same emission factor has been considered to

	calculate the emission reduction under conservative approach.[2] Similarly, for the year 2024, a grid emission factor of 0.757 tCO2/MWh is to be applied. These conservative factors are used to calculate emission reductions. In order to facilitate adoption of authentic baseline emissions data and in keeping with the principle of "conservativeness," all UCR Indian RE projects shall use the new conservative grid emission factor of 0.757 tCO2/MWh in their emission reduction calculations for the 2024 vintage year. https://medium.com/@UniversalCarbonRegistry/ucr-cou-standard-update-2024-vintage-ucr-indian-grid-emission-factor-announced-ddb790cdc603 **Project emissions**: As per paragraph 39 of AMS-I.D. version-18, only emission associated with the fossil fuel combustion, emission from operation of geo-thermal power plants due to release of non-condensable gases, emission from water reservoir of Hydro should be accounted for the project emission. Since the project activity is a solar power project, project emission for renewable energy plant is nil. $PE_y = 0$. Since solar power is a GHG emission free source of energy project emission considered as Zero for the project activity. **Leakage Emissions:** The Leakage emissions potentially arising due to activities such as power plant construction and upstream emissions from fossil fuel use (e.g. extraction, processing, transport etc.) are neglected According to the applied methodology AMS-I.D Paragraph 42, Version 18 guidance on leakage, there is no leakage emission from this project activity has been considered. Thus, $LE_y = 0$. **Emission reductions:** As per approved consolidated AMS-I.D.: "Grid connected renewable electricity generation", version 18, Paragraph 43, emission reduction is estimated as difference between the baseline emission and project emission after factoring into leakage. Thus, $ER_y = BE_y – PE_y – LE_y$ Where: ERy = Emission reductions in year y (t CO2) BEy = Baseline Emissions in year y (t CO2) PEy = Project emissions in year y (t CO2) LEy = Leakage emissions in year y (t CO2) Therefore, $ER_y = BE_y$ The start date of the Project is from 12/11/2014 which is the earliest

[2] https://a23e347601d72166dcd6-16da518ed3035d35cf0439f1cdf449c9.ssl.cf2.rackcdn.com//Documents/UCRStandardAug2024updatedVer7_020824191534797526.pdf

Commissioning date. For the ease of the calculation, duration of the crediting period is started from 12/11/2014 to 31/12/2024

The estimated emission reductions are 171,363 CoUs/yr (171,363 tCO2eq/yr)

Year	**Net Generation**	**Baseline Emissions**	**Project Emissions**	**Leakage**	**Emission Reductions**
	MWh	**(tCO_2e)**	**(tCO_2e)**	**(tCO_2e)**	**(tCO_2e)**
Year 1	17,683	17,683	0	0	17,683
Year 2	17,559	17,559	0	0	17,559
year 3	17,436	17,436	0	0	17,436
Year 4	17,314	17,314	0	0	17,314
Year 5	17,193	17,193	0	0	17,193
Year 6	17,073	17,073	0	0	17,073
Year 7	16,953	16,953	0	0	16,953
Year 8	16,835	16,835	0	0	16,835
Year 9	16,717	16,717	0	0	16,717
Year 10	16,600	16,600	0	0	16,600
Total Emission reduction	**1,9,0412**	**1,71,363**	**0**	**0**	**1,71,363**
Annual Average ER	19,041	17,136	0	0	17,136

The actual emission reduction achieved during the first CoU's period (12/11/2014 to 31/12/2024) as per the Project Activity:

Year	Net Quantity of net electricity generation supplied by the project activity to the grid in year y	Emission Factor	Baseline Emissions	Project emissions or actual net GHG removals by sink	Leakage	Emission reductions or net anthropogenic GHG removals by sinks
	[MWh]	(tCO2e/MWh)	(tCO2e)	(tCO2e)	(tCO2e)	(tCO2e)
			[Bey]=	[PEy]	[LEy]	[ERy]=[Bey

			[EF y]	[EGfacility, y]* [EFy]			]-[Pey]-[Ley]
	2014	2349.075	0.9	2114.168	0	0	2114
	2015	18791.400	0.9	16912.260	0	0	16912
	2016	18683.063	0.9	16814.756	0	0	16814
	2017	17683.313	0.9	15914.981	0	0	15914
	2018	17964.825	0.9	16168.343	0	0	16168
	2019	15073.875	0.9	13566.488	0	0	13566
	2020	15692.900	0.9	14123.610	0	0	14123
	2021	15209.850	0.9	13688.865	0	0	13688
	2022	13503.450	0.9	12153.105	0	0	12153
	2023	13121.378	0.9	11809.240	0	0	11809
	2024	15337.594	0.757	11610.558	0	0	11610
	Total	**163410.721**		**144876.373**	**0**	**0**	**1,44,871**
Findings	CL 04 and CAR 02 were raised and closed successfully. More information presented appendix below.						
Conclusion	In summary, the calculation of emission reductions was correctly demonstrated by the PP according to the methodology AMS.I-D Grid-connected electricity generation from renewable sources ---Version 18.0 It is confirmed by the assessment team that: (a) All assumptions made for estimating GHG are listed in the PCN; (b) All documentation used by the 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 including GWPs are considered reasonable in the context of the proposed UCR project activity; (d) The methodologies and, where applicable, the standardized baselines and the other methodological regulatory documents have been applied correctly to calculate baseline, project and leakage GHG emissions, as well as GHG emission reductions; (e) All estimates of the baseline GHG emissions can be replicated using the data and parameter values provided in the PCN;						

(.a.vi) Monitoring Report

<table>
<tr>
<td>Means of Project Verification</td>
<td>
Parameters determined- Ex-ante

The following parameters are determined ex-ante and verified by the verification team:

The baseline emission factor ($EF_{grid, y}$) of the project is reported to be determined ex-ante and would remain fixed for the crediting period. A "grid emission factor" refers to a CO_2 emission factor (tCO2/MWh) which will be associated with each unit of electricity provided by an electricity system. The UCR recommends an emission factor of 0.9 tCO_2/MWh for the 2013-2023 years as a fairly conservative estimate for Indian projects not previously verified under any GHG program. Also, for the vintage 2021, the combined margin emission factor calculated from CEA database in India results into higher emission than the default value. Similarly, for the year 2024, a grid emission factor of 0.757 tCO2/MWh is to be applied. These conservative factors are used to calculate emission reductions.

In order to facilitate adoption of authentic baseline emissions data and in keeping with the principle of “conservativeness,” all UCR Indian RE projects shall use the new conservative grid emission factor of 0.757 tCO2/MWh in their emission reduction calculations for the 2024 vintage year

Hence, the same emission factor has been considered to calculate the emission reduction under conservative approach. The parameters applied in the calculation were validated by the verification team. The verification team confirms that all relevant parameters have been sufficiently considered and the values of the parameters are real, measurable and conservative.

Parameters monitored ex-post

According to the approved methodology AMS.I-D Grid-connected electricity generation from renewable sources ---Version 18.0, the following parameters will be monitored:

<table>
<tr><th>Parameter</th><th>Description</th></tr>
<tr><td>$EG_{PJ,y}$</td><td>Quantity of net electricity generation supplied by the projectplant/unit to the grid in year y</td></tr>
</table>

The values of the parameters monitored were checked against submitted Joint Meter Readings and invoices and were found correct.

<u>Meters details:</u>

The old meters (Main: 14190843, Check: 14192949) were replaced with new meters (Main: 23003083, Check: 23004246) in June 2023 due to a KERC notification. The older meters were functioning
</td>
</tr>
</table>

satisfactorily at the time of replacement.

Meter Details (old)	Calibration date	Calibration validity	Calibration delay
(14190843-Main Meter) & (14192949-Check Meter)	12/11/2014	11/10/2016	Calibration has been performed annually; therefore, no delay period was considered
	08/01/2015	07/01/2017	
	27/04/2015	26/04/2017	
	15/02/2017	14/02/2019	
	16/11/2017	15/11/2019	
	23/02/2018	22/02/2020	
	25/09/2018	24/09/2020	
	24/12/2018	23/12/2020	
	01/09/2020	31/08/2022	
	19/03/2021	18/03/2023	

Site	Meter Details (New)		Calibration Date	Calibration validity
	Main Meter	Check Meter		
Hiriyur	23003083	23004246	1/07/2023	30/06/2025
			30/01/2024	29/01/2026

There was a no calibration delay during this monitoring period.

Management system and quality assurance

The monitoring plan presented in the PCN complies with the requirements of the applicable methodology. The verification team has verified all parameters in the monitoring plan against the requirements of the methodology and no deviations have been found.

The management system and quality assurance procedures have been reviewed by the verification team through document review and interviews with the project participant. The project participant would train all the monitoring staffs are trained against with related requirement; the training guidelines and monitoring manual are saved and verified.

The monitoring plan outlines in the PCN includes:

- Monitoring Organization
- Monitoring apparatus and installation
- Calibration
- Data collection
- Data Management system

The submitted calibration certificates were checked and it was confirmed that the calibrations are conducted periodically as specified in the PCN i.e. at least once in 5 years. There was no delay in the calibration during the current monitoring period.

Findings	CAR 01 and CAR 03 were raised and closed successfully. More information presented in the appendix below.
Conclusion	The verification team is convinced of compliance of the monitoring plan with the requirements of the monitoring methodology AMS.I-D Grid-connected electricity generation from renewable sources ---

	Version 18.0. During the remote audit assessment, the verification team interviewed the PP that the monitoring arrangements described in the monitoring plan are feasible within the project design. The monitoring parameter reported in MR adequately represents the parameters relevant to emission reduction calculation. The calibration report ensures the accuracy of the data reported. The number of CoUs generation is calculated based on this accurately reported data. The calculation was done using an excel sheet where all the parameters were reported. The grid emission factor for electricity is considered as per UCR recommendation for Indian project. In the monitoring report, emission reduction calculations are correctly calculated and reported. The monitoring report meets the requirements of UCR project verification requirements.

Start date, crediting period and duration

Means of Project Verification	The start date and crediting period of project activity was checked based on the commissioning certificate, PCN, MR and other documents provided.
Findings	CAR 04 and CAR 05 were raised and closed successfully. More information presented in the appendix below.
Conclusion	The project has chosen crediting period start date as 12/11/2014. The crediting period is chosen as 12/11/2014 to 31/12/2024 and the crediting period for the current monitoring period is 12/11/2014 to 31/12/2024.

Positive Environmental impacts

Means of Project Verification	PP has not claimed any separate positive environmental impact. The project being renewable energy project will reduce fossil fuel use throughreplacement of the same.
Findings	No findings raised
Conclusion	The project is a renewable energy project and reduces the environmentalburden by reducing the dependence on fossil fuel-based power plants.

Project Owner- Identification and communication

Means of Project Verification	PCN, communication agreement, MR, commissioning certificate, power purchase agreement.
Findings	No findings raised
Conclusion	The project owner was identified through a communication agreement signed between project owner and project aggregator. Commissioning certificates and Power Purchase Agreement were also verified and they clearly establish project ownership. The identification and communication meet the requirement of project verification and UCR project standard. Project owner: BHORUKA POWER CORPORATION LTD

Positive Social Impact

Means of Project Verification	Project has provided temporary employment to local people during its

	installation and commissioning. Also post commissioning some of people have employed permanently and local people were engaged leading to social financial benefit to surrounding. Overall social impact of project implementation is positive on the surrounding area
Findings	CL 02 was raised and closed successfully. More information presented in the appendix below.
Conclusion	Project has overall positive social impact

Sustainable development aspects (if any)

Means of Project Verification	PP has claimed SDG Goals 7, 8 & 13. SDG 7 is affordable and clean energy, and it is verified during remote audit as the project is solar power plant. SDG 8 is decent work & economic growth and is verified by the supporting documents provided. SDG 13 is climate action. These claims were checked on the basis of supporting documents, JMR & invoice, employment of the local people on the project site and emission reduction calculations respectively.
Findings	No findings raised.
Conclusion	The project has the capability to address SDG 7, 8 and 13.

Internal quality control

The verifier confirms that,

- Due professional care has been taken while reviewing the submitted document.
- There is no conflict of interest as the verifier has no other engagement with either the aggregatoror project owner directly or indirectly.
- Verification team consists of experienced personnel.

Project Verification opinion

Assessment team conducted documentation review the PCN against the UCR program verification standard version 2.0 and UCR project eligibility criteria version 7.0 and the UCR-PCN-FORM Version 1.0.

It is confirmed that the project activity is a 10 MW of small-scale solar power project Rangenahalli, Sidlayyanakotte and Bidarakere Village, Hiriyur Taluk, Chitradurga Dist, Karnataka State, India.

The geo co-ordinates of the project activity have been mentioned in the sections above. The assessment team performed a remote audit and confirmed that the location described in the PCN is accurate. The verification was performed on the basis of UCR requirements, and host country criteria, as well as criteria given to provide for consistent project operations, monitoring and reporting.

The verification consisted of the following three phases: i) desk review of the PCN, MR and additional background documents; ii) follow-up interviews with project stakeholders; iii) resolution of outstanding issues and the issuance of the final verification report and opinion.

The project correctly applies the approved baseline and monitoring methodology AMS.I-D Grid-connected electricity generation from renewable sources ---Version 18.0.

The monitoring plan provides for the monitoring of the project's emission reductions. The monitoring arrangements described in the monitoring plan are feasible within the project design, and the project participants are able to implement the monitoring plan. Given that the project is implemented and maintained as designed, the project has achieved the emission reduction of 144,871 tCO2eq during the monitoring period i.e. from 12/11/2014 to 31/12/2024.
The review of the project design documentation and the subsequent follow-up interviews have provided assessment team with sufficient evidence to determine the fulfilment of stated criteria. In our opinion, the project meets all applicable UCR requirements. The assessment team thus requests the registration of the proposed UCR project activity.

Appendix 1. Abbreviations

Abbreviations	Full texts
AMS	Approved Methodology for Small-Scale CDM project activities
UCR	Universal Carbon Registry
PCN	Project Concept Note
MR	Monitoring Report
t	Tonnes
NGO	Non-Governmental Organization
ISO	International Organization for Standardization
CAR	Corrective Action Request
CL	Clarification Request
GHG	Greenhouse Gas
MWh	Megawatt Hours
CO_2	Carbon Dioxide
CH4	Methane
N2O	Nitrous Oxide

Appendix 2. Competence of team members and technical reviewers

❖ **Mr. Pankaj Kumar** worked as team leader – Bihar for South Asia Climate Proofing and Growth Development (CPGD) – Climate Change Innovation Programme (CCIP) supported by DFID that seeks to mainstream climate change resilience into planning and budgeting at the national and sub-national level in India, Pakistan, Nepal, and Afghanistan. Pankaj Kumar has worked previously with IL&FS Infrastructure Development Corporation and BUIDCO (Bihar Urban Infrastructure Development Corporation), Govt. of Bihar as Environmental Specialist for WB & ADB funded projects. Prior to this, he worked with Carbon Check (UNFCCC accredited DoE), Johannesburg, RSA, Applus certification as Team Leader for validation, verification of around 100 GHG projects in Asia, Africa, USA, Asia Pacific & Americas. Pankaj is accredited Lead Auditor, Validator, Verifier and Technical Expert for Sectoral Scope/Technical Area – 1.1, 1.2, 3.1, 4.1, 13.1 by Enviance. He is also member of task force on climate change & human health, Health Department, GoB and on roster of UNICEF's WASH experts. He is an experienced, qualified and result oriented Environment Professional having more than 14 yrs. of relevant experience in Climate Change (Mitigation & Adaptation), Environmental Due Diligence, Disaster Risk Reduction, Validation and Verification of GHG project under CDM, Verified Carbon Standard, Gold Standard & Social Carbon Standard, Brazil. He provides technical support for environmental investigative, consultative and remedial projects involving air, water and soil, Waste management, EIA, Environmental Compliance, ISO 14001, OHSAS 18001, GHG accounting (ISO 14064) and Carbon foot printing. Pankaj Kumar is Masters in Environment Management from Forest Research Institute (University), I.C.F.R.E, Dehradun, which is Centre of Excellence in South East Asia for Forestry education & research and PGDEL from National Law School of India University, Bangalore (India).

❖ **Mr. Vipul Jain** holds Bachelor of Technology from VIT University Vellore in 2020. He has gained valuable work experience as a site engineer at Light House Energy Developers, where he was employed from May 2020 to August 2022. Vipul holds an IRCA certification as an ISO 9001 Lead Auditor, demonstrating his expertise in quality management systems. He is well-versed in ISO 14064-1, ISO 14064-2, and ISO 14064-3, which are standards for greenhouse gas accounting and reporting. Furthermore, Vipul has received training in ISO 17029 and ISO 14065, highlighting his proficiency in environmental auditing and conformity assessment. He has also completed Clean Fuel Regulation training from Environment and Climate Change Canada, demonstrating his expertise in environmental management and sustainability.

❖ **Ms. Swati Mahajan** is graduate in Environmental Engineering from Shivaji University, India and previously worked as an Environment Engineer at Eco Designs India Private Ltd., Pune. She is adept in designing of landfill sites for solid waste management. She also has hands on experience in cost benefit analysis and preparation of DPRs for SWM projects. She also has done a certified course in carbon capture and storage from Edinburg University. Currently working as GHG assessor for projects under various GHG mechanisms like GCC, ICR, UCR and VERRA.

❖ **Mr. Vijayanand** is an experienced professional, a strategic HSE expert with 16 years of leadership in environmental consulting, audit, and regulatory compliance. He has successfully

implemented HSE/ESG rules across Asia and Europe, managing corporate and site-level HSE functions. His roles have involved EIA, waste management, and policy development. He is leading HSE and ESG efforts at Hero Future Energies, demonstrating budgeting, due diligence, and international standard implementation skills. He has contributed to impactful projects like ESIA, renewable energy initiatives, and audits. He is also having accreditation as a Lead Auditor in CDM and Verra by various DOEs/VVBs, he is qualified by Enviance as a TL, TR and Technical expert in Section 1.2, 3.1, 14.1.

Appendix 3. Document reviewed or referenced

No.	Author	Title	References to the document	Provider
1	NA	Communication agreement		Project Owner
2	NA	Project Concept Note		Aggregator
3	NA	Monitoring report		Aggregator
4	NA	Emission reduction sheet		Aggregator
5	NA	Declaration on avoidance of doublecounting		Aggregator
6	NA	Commissioning Certificates for the solar power plants		Aggregator
7	NA	Power purchase agreement		Aggregator
8	NA	Joint Meter Readings/invoices for the complete monitoring period		Aggregator
9	NA	Calibration certificates for energy meters		Aggregator
10	NA	Equipment purchase order		Aggregator
11	NA	Grid Emission factor recommended for Indian projects by UCR	Upto year 2023 - https://a23e347601d72166dcd6-16da518ed3035d35cf0439f1cdf449c9.ssl.cf2.rackcdn.com//Documents/UCRStandardAug2024updatedVer7_020824191534797526.pdf Year 2024 - https://medium.com/@UniversalCarbonRegistry/ucr-cou-standard-update-2024-vintage-ucr-indian-grid-emission-factor-announced-ddb790cdc603	General project eligibility criteria and guidance UCR standard version 7.0
12	UCR	UCR Program manual version 6.1 UCR COU standard version 7 UCR Verification standard version 2 UCR terms and conditions		Universal Carbon Registry
13	CDM	CDM approved methodology- AMS.I-D Grid-connected electricity generation from renewable sources ---Version 18.0.		UNFCCC

Clarification request, corrective action request and forward action request

Table 1. CLs from this Project Verification

Classification	☐ **CAR** ☒ **CL/CR** ☐ **FAR**	**Number:**	**01**
Raised by:	**Mr. Pankaj Kumar**	**Document Reference**	**MR**
Finding Description		**Date:**	**31/03/2025**
PP shall submit an undertaking for no double counting for current monitoring period and for project activity has neither been registered nor seeking registration under any other GHG programs.			
Client/Responsible Party/Project Proponent Response		**Date:**	**03/05/2025**
PP has submitted the double counting declaration for the current monitoring period.			
Validation/Verification Team Assessment		**Date:**	**05/05/2025**
During the assessment, it was confirmed that the PP submitted a declaration, affirming that no double counting has occurred for the current monitoring period. Furthermore, the PP confirmed that the project activity is neither registered nor under consideration for registration under any other GHG programs. Thus, CL 01 is closed.			

Classification	☐ **CAR** ☒ **CL/CR** ☐ **FAR**	**Number:**	**02**
Raised by:	**Mr. Pankaj Kumar**	**Document Reference**	**MR**
Finding Description		**Date:**	**31/03/2025**
1. PP has claimed SDG 8 for the project activity. Supporting documents are to be provided for the same. 2. PP shall submit the names of the local stakeholders.			
Client/Responsible Party/Project Proponent Response		**Date:**	**03/05/2025**
1. PP submitted the supporting documents for the SDG 8 **2.** PP submitted the local stakeholders' names.			
Validation/Verification Team Assessment		**Date:**	**05/05/2025**
1. PP has submitted the details of employee which are hired locally on the project site. During assessment it was found that the submitted documents are consistent and fulfils the claimed SDG goal 8. 2. PP has submitted the names of the local stakeholders involved in the project activity. During assessment all the documents are found to be consistent. Thus, CL 02 is closed.			

Classification	☐ **CAR** ☒ **CL/CR** ☐ **FAR**	**Number:**	**03**
Raised by:	**Mr. Pankaj Kumar**	**Document Reference**	**MR**
Finding Description		**Date:**	**31/03/2025**
1. PP shall submit meter photographs to the assessment team. 2. PP shall submit the single line diagram of the project activity. 3. PP shall submit the photographs of the project activity.			

Client/Responsible Party/Project Proponent Response	Date:	03/05/2025
1. PP submitted the meter photographs 2. PP submitted the SLD **3.** PP submitted the photographs of project activity		
Validation/Verification Team Assessment	**Date:**	**05/05/2025**
1. PP has submitted the meter photographs. However, during assessment it was observed that PP has not yet submitted the calibration certificates and meter replacement declaration. As per MR new meters were calibrated twice. So, to ensure the completeness of the meter details PP shall submit the calibration certificates and meter replacement declaration. 2. PP has submitted the SLD of the project activity and the same has been verified by the assessment team. The SLD submitted is found consistent with the project activity. 3. PP has submitted the photographs of the project activity and the same has been verified by the assessment team. The submitted photographs are found consistent with the project activity. Thus, point 1 of CL 03 is open.		
Client/Responsible Party/Project Proponent Response	**Date:**	**05/05/2025**
1. PP has submitted the calibration reports. Regarding the meter replacement, PP clarifies that a separate report is unavailable as replacements were conducted in accordance with the referenced KERC notification, though old meters were working satisfactorily.		
Validation/Verification Team Assessment	**Date:**	**06/05/2025**
1. PP has submitted the meter photographs and also the calibration certificates of new meters. On assessment calibration certificates were found consistent with the photographs submitted. PP has clarified that a separate meter replacement is not available but has submitted the KERC notification document regarding meter replacement. Verification team has assessed all the documents and found to be consistent. 2. PP has submitted the SLD of the project activity and the same has been verified by the assessment team. The SLD submitted is found consistent with the project activity. 3. PP has submitted the photographs of the project activity and the same has been verified by the assessment team. The submitted photographs are found consistent with the project activity. Thus, CL 03 is closed.		

Classification	☐ **CAR** ☒ **CL/CR** ☐ **FAR**	**Number:**	**04**
Raised by:	**Mr. Pankaj Kumar**	**Document Reference**	**MR**
Finding Description		**Date:**	**31/03/2025**
PP shall submit supporting documents of JMR of years 2023 and 2024.			
Client/Responsible Party/Project Proponent Response		**Date:**	**03/05/2025**
PP submitted the JMRs for the years 2023 & 2024.			
Validation/Verification Team Assessment		**Date:**	**05/05/2025**
PP has submitted the supporting documents of JMR of 2023 and 2024. However, on assessment value of May 2023 is found to be inconsistent with the B form value. Also, in excel sheet PP shall add a new sheet showing year wise calculations. Thus, CL 04 is open.			

Client/Responsible Party/Project Proponent Response	Date:	05/05/2025
PP has corrected the value for the May month and Revised same in the MR. Added Year Wise ER sheet.		
Validation/Verification Team Assessment	**Date:**	**06/05/2025**
PP has corrected the value for May 2023 in excel sheet and as suggested has also added the year wise calculation sheet in excel. The same was verified in revised excel sheet. On assessment it was found that the emission reduction values are been revised in MR version 3.0 and found to be consistent with revised excel sheet. Thus, CL 04 is closed.		

Table 2. CARs from this Project Verification

Classification	☒ CAR ☐ CL/CR ☐ FAR	Number:	01
Raised by:	Mr. Pankaj Kumar	Document reference	PCN & MR
Finding Description		Date:	31/03/2025
PP to indicate meter details and frequency of the calibration under section B.8. of PCN and C.10. of MR			
Client/Responsible Party/Project Proponent Response		Date:	03/05/2025
PP indicated the meter details and calibration details.			
Validation/Verification Team Assessment		Date:	05/05/2025
As suggested, PP has mentioned meter details and calibration under section B.8. of PCN and C.10. of MR. During assessment this was verified in MR version 2.0. Thus, CAR 01 is closed.			

Classification	☒ CAR ☐ CL/CR ☐ FAR	Number:	02
Raised by:	Mr. Pankaj Kumar	Document Reference	MR
Finding Description		Date:	31/03/2025
Few JMR values are inconsistent with the provided documents. Correction sought.			
Client/Responsible Party/Project Proponent Response		Date:	03/05/2025
PP corrected the JMRs values in the ER sheet.			
Validation/Verification Team Assessment		Date:	05/05/2025
During assessment it was observed that the values of may 2023 are inconsistent with the submitted B form values. Correction sought. Thus, CAR 02 is open.			
Client/Responsible Party/Project Proponent Response		Date:	05/05/2025
PP has corrected the values for May 2023.			
Validation/Verification Team Assessment		Date:	06/05/2025
During assessment it was observed that PP has revised the values of May 2023 in revised excel sheet and are now consistent with the submitted B form values. Thus, CAR 02 is closed.			

Classification	☒ CAR ☐ CL/CR ☐ FAR	Number:	03
Raised by:	Mr. Pankaj Kumar	Document Reference	PCN
Finding Description		Date:	31/03/2025
Under section B.8. of PCN, Egy,net parameter is inconsistent. Corrective action sought.			
Client/Responsible Party/Project Proponent Response		Date:	03/05/2025
PP corrected the Egy,net parameter			
Validation/Verification Team Assessment		Date:	05/05/2025
PP has corrected the Egy,net parameter and the same has been verified in PCN and MR version 2.0. Thus, CAR 03 is closed.			

Classification	☒ CAR ☐ CL/CR ☐ FAR	Number:	04
Raised by:	Mr. Pankaj Kumar	Document Reference	MR
Finding Description		Date:	31/03/2025
Date of monitoring period is inconsistent throughout the MR. Corrective action sought.			
Client/Responsible Party/Project Proponent Response		Date:	03/05/2025
PP corrected the monitoring period.			
Validation/Verification Team Assessment		Date:	05/05/2025
PP has corrected the date of monitoring period and now found to be consistent throughout the MR. The same has been verified in MR version 2.0. Thus, CAR 04 is closed.			

Classification	☒ CAR ☐ CL/CR ☐ FAR	Number:	05
Raised by:	Mr. Pankaj Kumar	Document Reference	PCN
Finding Description		Date:	05/05/2025
First CoU issuance period is inconsistent throughout the PCN. Corrective action sought.			
Client/Responsible Party/Project Proponent Response		Date:	05/05/2025
PP has corrected the issuance period.			
Validation/Verification Team Assessment		Date:	06/05/2025
PP has corrected the first CoU issuance period in PCN and on assessment it is found consistent in the entire PCN. The same was verified in PCN version 2.0. Thus, CAR 05 is closed.			

~~Table 3. FARs from this Project Verification~~

~~FAR ID~~	~~xx~~	~~Section no.~~		~~Date: DD/MM/YYYY~~
~~Description of FAR~~				
~~Project Owner's response~~				~~Date: DD/MM/YYYY~~
~~Documentation provided by Project Owner~~				

~~UCR Project Verifier assessment~~	**~~Date:~~** ~~DD/MM/YYYY~~

1. INSTRUCTIONS

Instructions for completing this form

General instructions

1. When completing this form, in addition to applying the Verification Standard and Project Standard, consult other UCR Rules provided on the UCR website.
2. The UCR Project Verifier shall assess and confirm that the:
   (a) Project Owners has completed the PCN with all the required information.
   (b) Project Owners has correctly identified the project type, which complies with the eligibility criteria of the UCR Project Standard;
   (c) Information provided by Project Owner's in the PCN has been verified to be complete, consistent and correct and in compliance with the Project Standard and the instructions provided in the PCN; and
   (d) Project Owners are aware that the choices made by them in the PCN (including on the cover page) shall become a package of requirements against which the GHG Project Verifier as well as the UCR Operations Team shall assess and evaluate the Project Activity throughout the project cycle.
3. Include, if necessarily, additional information other than that indicated in this form in order to support how the UCR Project Verifier has arrived at its Project Verification conclusions. This information may include, but need not be limited to tables, graphs and annexes.
4. List all the abbreviations used in this Project Verification Report in Appendix 1 below.
5. Complete this form in English. Prepare all attached documents in English, or if their originals were prepared in other language, provide a full translation of the relevant sections of these documents in English.
6. Complete this form using the same format without modifying its font, headings or logo, and without any other alteration to the form.
7. Do not modify or delete the tables and their columns in this form. Add rows to the tables as needed. Add additional appendices as needed.
8. If a section of this form is not applicable, explicitly state "N/A" to indicate that the section is left blank intentionally.
9. Use an internationally recognized format for the presentation of values. For example, use digits grouping in thousands and mark a decimal point with a dot (.), not with a comma (,).
10. Complete this form deleting the 'Instructions for completing this form'.
11. Provide the information requested on the cover page.
12. The UCR Project Verifier(s) shall note that non-compliance with the instructions provided in this document shall lead to non-compliance of the Project Owner(s)/ UCR Project Verifier(s) with the Verification Standard, Project Standard and the applicable UCR documents containing the rules and requirements governing the UCR Program.

Section A. Executive summary

1. Provide a brief summary of the project activity (including the purpose and general description and location), scope of the Project Verification, Project Verification process (document review, follow up interviews/site visit, quality control, reporting), appointment of the assessment team and conclusion.

Section B. Project Verification team, technical reviewer and approver

1. Provide details of the Project Verification team, technical reviewer and approver in sections Project Verification team and Technical reviewer and approver of the Project Verification report. If applicable, also identify any trainees.
2. For "Type of resource" in sections B.1 and B.2, indicate the type of resource of the personnel with the use of one of the following abbreviations referring to the Procedure for approval of UCR Verifiers:

(.1.a) IR (Internal Resource);

(.1.b) EI (External Individuals);

(.1.c) OR (Outsourced Resource).

Demonstrate how the team meets the competence required for the Project Verification

Section C. Means of Project Verification

C.1. Desk/document review

1. List all documents reviewed or referenced during the Project Verification

C.2. Off-Site inspection

1. Summarize any Off-Site inspection performed during the Project Verification in the table.

C.3. Interviews

1. Summarize all the interviews (i.e. in-person interviews, web/teleconferences, etc.) conducted during the Project Verification in the table.

C.4. Sampling approach

1. Where a sampling approach is used for the Project Verification, summarize the sampling approach used during the Project Verification (e.g. random sampling).

C.5. Clarification requests, corrective action requests and forward action requests raised

1. Indicate in the table the number of the clarification requests (CLs), corrective action requests (CARs), and forward action requests (FARs) raised in each area of Project Verification findings in **Error! Reference source not found.**.

Section D. Project Verification findings

1. In this section complete tables to verify the compliance in accordance with applicable Project Verification requirements in the Verification Standard and Project Standard

D.1. Identification and eligibility of the project type

1. Explain whether the Project Owner's UCR project activity in accordance with the UCR Project Standard.

D.2. General description of project activity

1. Explain how the description of the proposed UCR project activity was assessed in accordance with applicable Project Verification requirements related to the description of the project activity in the Verification Standard and UCR Project Standard.
2. Explain how the project complied with the requirements on GHG reduction and the voluntary no net harm principle in accordance with applicable Project Verification requirements in the Verification Standard and Project Standard.

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

D.3.1 Application of methodologies and standardized baselines

1. Explain how the application of methodologies and standardized baselines to the proposed UCR project activity were assessed in accordance with applicable Project Verification requirements in the Verification Standard and Project Standard.
2. Confirm that the selected versions of methodologies and standardized baselines are valid at the time of submission of the proposed UCR project activity for registration
3. Confirm that the chosen methodology is applicable to the project activity.

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

1. Confirm whether any clarification on applicability of methodology, tool and/or standardized baseline to the proposed UCR project activity has been issued. If the clarification has been issued, confirm the date of the issuance and reference number.

D.3.3 Project boundary, sources and GHGs

1. Explain how the project boundary, selected sources and gases were assessed in accordance with applicable Project Verification requirements related to the project boundary in the Verification Standard and Project Standard and the applicable methodology.

D.3.4 Baseline scenario

1. Explain how the baseline scenario identified for the proposed UCR project activity was assessed in accordance with the applicable Project Verification requirements related to the establishment of the baseline scenario in the Verification Standard and Project Standard and the applicable methodology.

D.3.5 Demonstration of no net harm additionality

1. Explain how the no net harm additionality was assessed in accordance with the applicable Project Verification requirements related to the demonstration of additionality in the Verification Standard and UCR Project Standard and the applicable methodology.
2. If the proposed project activity is deemed automatically no net harm additional, as defined by UCR Standard, please indicate the same.

D.3.6 Estimation of emission reductions or net anthropogenic removals

1. Explain how the steps taken and the equations and parameters to calculate the emission reductions or net anthropogenic removals were assessed in accordance with the applicable Project Verification requirements related to emission reductions in the Verification Standard and Project Standard and the applicable methodology.

D.3.7 Monitoring Report

1. Explain how the Monitoring Report was assessed in accordance with the applicable Project Verification requirements related to the Monitoring Report in the Verification Standard and Project Standard and the applicable methodology.

D.4. Start date, crediting period and duration

1. Explain how compliance with the start date of the Project, expected operational lifetime, crediting period and duration was assessed in accordance with the applicable Project Verification requirements in the Verification Standard and Project Standard.

D.5. Environmental impacts

1. Explain how the analysis of the environmental impacts and, if considered significant by the Project Owners or by the host Party, the environmental impact assessment, were assessed in accordance with the applicable Project Verification requirements related to the environmental impacts in the Verification Standard and Project Standard.

D.6. Local stakeholder consultation

1. Explain how the local stakeholder consultation process was assessed in accordance with the applicable Project Verification requirements related to the local stakeholder consultation in the Verification Standard and Project Standard.

D.7. Approval and Authorization- Host Country Clearance

1. Explain how the approval and clearance from the host-country was assessed in accordance with the applicable Project Verification requirements related to the approval in the Verification Standard and Project Standard.

D.8. Project Owner- Identification and communication

1. Explain how the Project Owners have been identified and their communication details as provided in the PCN have been assessed in accordance with the applicable Project Verification requirements related to the modalities of communication in the Verification Standard and Project Standard.

D.9. Environmental Safeguards

1. Describe how the UCR Verifier has assessed that the Project Activity will not cause any net-harm to the environment as per Verification Standard and Project Standard.

D.10. Social Safeguards

1. Describe how the UCR Verifier has assessed that the Project Activity will not cause any net-harm to the society as per Verification Standard and Project Standard.
2. If Project Owner has not chosen to apply for this certification label, indicate ‘Not applicable’.

Section E. Internal Quality Control

1. Describe the measures taken to ensure the quality of the Project Verification activities.

Section F. Project Verification Opinion

1. Provide a Project Verification opinion in accordance with the applicable Project Verification requirements in the Verification Standard and Project Standard.

Appendix 1. Abbreviations

1. Use the table to list all the abbreviations used in this report.

Appendix 2. Competence of team members and technical reviewers

1. Provide documentation to substantiate the required competence of Project Verification team members and technical reviewers.

Appendix 3. Document reviewed or referenced

1. Use the table to list all documents reviewed or referenced during the Project Verification including UCR regulatory documents.
2. For each document, indicate the following:

(a) Title: provide the title of the document. Include the version number, if applicable;

(b) Author: provide the name(s) of the author(s). Where the author(s) belong(s) to the organization(s) that issue the document, provide only the name(s) of the organization(s);

(c) References to the document: where applicable, provide the relevant reference to the document such as the dates of completion/publication and URL;

(d) Provider: choose one of the following options to indicate who provided the document to the UCR Project Verifier for its review. Select 'Others' for documents that were provided by those other than the Project Owners:

(.1.c.i) Project Owners;

(.1.c.ii) Others.

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

1. If needed, copy tables 1, 2 and/or 3 for each CL, CAR, and/or FAR and copy the following rows until the finding is closed unless a FAR for future verifications is issued:

(a) Project Owner's response;

(b) Documentation provided by Project Owners;

(c) UCR Project Verifier assessment.

In each table, indicate the section number of the Project Verification report to which each CL, CAR or FAR corresponds.