

**Project Verification Report of
UCR ID Number 139
1.50 MW bundled Solar PV project in
Dhar Tatoh, Distt. Bilaspur, Himachal
Pradesh, India**

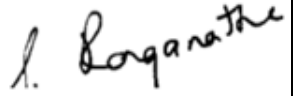
30 May 2022

Verified by S.Ranganathan

COVER PAGE	
Project Verification Report Form (VR)	
Complete this form in accordance with the instructions.	
BASIC INFORMATION	
Name of approved UCR Project Verifier / Reference No.	S.Ranganathan (Independent Verifier)
Type of Accreditation	☐ CDM or other GHG Accreditation ☐ ISO 14065 Accreditation ☒ UCR Approved Verifier
Approved UCR Scopes and GHG Sectoral scopes for Project Verification	Sectoral Scope : 01 Energy Industries
Validity of UCR approval of Verifier	From 21 Jan 2022 onwards
Completion date of this VR	30 May 2022
Title of the project activity	1.50 MW bundled Solar PV projects in Dhar Tatoh, Distt. Bilaspur, Himachal Pradesh, India
Project reference no. (as provided by UCR Program)	UCR ID No : 139
Name of Entity requesting verification service (can be Project Owners themselves or any Entity having authorization of Project Owners, example aggregator.)	1) Dhar Solar Plant 2) Bhandari Ram Solar Plant 3) Sankhyan Solar Plant
Contact details of the representative of the Entity, requesting verification service	Carbon Private Entity

(Focal Point assigned for all communications)	Email : rajpotpawan@gmail.com Address: 374, Ward No 3, Diwana (190) Fatehabad, Haryana (India) Mob: 9015093413 8219131127
Country where project is located	India
Applied methodologies (approved methodologies by UCR Standard used)	CDM Small Scale Methodology AMS. I.D. (Title: "Grid connected renewable electricity generation", version 18)
GHG Sectoral scopes linked to the applied methodologies	SECTORAL 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 ☒ 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 <i>UCR Project Verifier</i> has verified the UCR project activity and therefore confirms the following:	The UCR Project Verifier S.Ranganathan, certifies the following with respect to the UCR Project Activity 1.50 MW bundled Solar PV projects in Dhar Tath, Distt. Bilaspur, Himachal Pradesh, India ☒ The Project Owner has correctly described the Project Activity in the Project Concept Note version 2 dated 26/05/2022 including the applicability of the approved methodology [CDM Small Scale Methodology AMS. I.D. (Title: "Grid connected renewable electricity generation", version 18) 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 3955 TCO_{2e},

	as indicated in the MR, which are additional to the reductions that are likely to occur in absence of the Project Activity and complies with all applicable UCR rules, including ISO 14064-2 and ISO 14064-3. ☒ 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 rules¹ and therefore recommends UCR Program to register the Project activity with above mentioned labels.
Project Verification Report, reference number and date of approval	UCR Verification report of Project ID 139
Name of the authorised personnel of UCR Project Verifier and his/her signature with date	S.Ranganathan  30 May 2022

PROJECT VERIFICATION REPORT

Executive summary

The verification activity was contracted by the project aggregator Carbon Private Entity to carry out independent verification /5/ of the UCR project titled 1.50 MW bundled Solar PV project in Dhar Tathoh, Distt. Bilaspur, Himachal Pradesh, India bearing UCR Project Registration Number 139 to verify and confirm the quantity of CoUs generated by the bundled project activity during the monitoring period 18/09/2020 to 30/04/2022 (both days inclusive)

The total emission reduction achieved during the stated monitoring period based on the calculations, the monitoring report and supporting documents is found to be 1385 CoU. There are no leakages and project emissions.

The project activity is complying with the requirements of the chosen small scale methodology AMS I.D. version 18 of CDM /15/, UCR Program standard /2/ and UCR verification standard /3/ for the project activity.

The project activity, as described in the PCN /7/ is a bundled grid connected solar PV electricity generation facility having of total capacity 1.5 MW which is located in district Bilaspur of Himachal Pradesh in India. The electricity generated is exported to the grid based on Power Purchase Agreement. The bundle consists of 3 projects each having 0.5 MW capacity. The projects are Dhar Solar Plant, Bhandari Ram Solar Plant and Sankhyan Solar Plant.

Project Verification team, technical reviewer and approver

The verification was carried out by me, (S.Ranganathan) who is a qualified validator, verifier, technical expert/reviewer for SECTORAL SCOPE - 01 Energy industries (Renewable/Non-Renewable Sources).

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	Seshan	Ranganathan	Independent Verifier	Yes	Yes	Yes
2.	Validator	Seshan	Ranganathan	Independent Verifier	Yes	Yes	Yes
3	Technical Expert	Seshan	Ranganathan	Independent Verifier	Yes	No	No

Means of Project Verification

Desk/document review

The documents reviewed were to confirm the project activity is as per the PCN version 2 dated 26/05/2022 /7/ and to confirm the data provided in the monitoring report version 2 dated 26/05/2022 /8/ for the period 18/09/2020 to 30/04/2022 both days included. The documents reviewed were the Detailed Project Report /14/, the Commissioning Certificates /13/, Calibration certificates /17/ and JMR /10/.

The list of documents reviewed as part of the verification activity is available under the section Document reviewed or referenced in the subsequent sections of this report

On-site inspection : Not applicable

Date of off site inspection:		No site visit was conducted and this meets the UCR guidelines. However interview with the personnel associated with the project were held over web on 18/05/2022.	
No.	Activity performed Off-Site	Site location	Date
1.			
...			

Interviews

No.	Interview			Date	Subject
	Last name	First name	Affiliation		
1.	Kumar	Pawan	Aggregator	18/05/22	1) Project location
2.	Singh	Ankit	Owner	18/05/22	2) Commissioning of Project 3) Metering System 4) Emission reduction calculations

Sampling approach

N/A. The monitoring parameter is the electricity generated. The verification was carried out based on the Joint Metering Report that was made available for every month of the monitoring period covering each of the project in the bundle.

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

Areas of Project Verification findings	No. of CL	No. of CAR	No. of FAR
Green House Gas (GHG)			
Identification and Eligibility of project type	Nil	Nil	Nil
General description of project activity	3	Nil	Nil
Application and selection of methodologies and standardized baselines	Nil	Nil	Nil
- Application of methodologies and standardized baselines	Nil	Nil	Nil

- Deviation from methodology and/or methodological tool	Nil	Nil	Nil
- Clarification on applicability of methodology, tool and/or standardized baseline	Nil	Nil	Nil
- Project boundary, sources and GHGs	1		Nil
- Baseline scenario	Nil	Nil	Nil
- Estimation of emission reductions or net anthropogenic removals	2	1	Nil
- Monitoring Report	1	3	Nil
Start date, crediting period and duration	1		Nil
Environmental impacts	Nil	Nil	Nil
Project Owner- Identification and communication	Nil	Nil	Nil
Others (please specify)	Nil	Nil	Nil
Total	8	4	0

Project Verification findings

Identification and eligibility of project type

Means of Project Verification	The project activity is registered under UCR. The project identification number is 139 as could be confirmed from the UCR website https://www.ucarbonregistry.io/Registry/Details?id=%2BRCm2NHotXKG1lgUak87FQ%3D%3D The project activity is Solar Power Electricity generation project having a total capacity of 1.5 MW viz Dhar Solar Plant of capacity 500kW Bhandari Ram Solar Plant of capacity 500kW Sankhyan Solar Plant of capacity 500kW It is a bundle of 3 projects located adjacently in the state of Himachal Pradesh India. The project activity started electricity generation with Dhar Solar Plant on 18/09/2020, Bhandari Ram Solar Plant on 16/12/21 and Sankhyan Solar Plant on 19/03/2022 /13/. The total project capacity is 1.5 MW and hence falls in the Small scale category of project activities as per CDM. The project activity fall under SECTORAL SCOPE - 01 Energy industries (Renewable/Non-Renewable Sources) and has adopted AMS. I.D. (Title: "Grid connected renewable electricity generation", version 18) /15/ https://cdm.unfccc.int/methodologies/DB/W3TINZ7KKWCK7L8WTXFQQOFQQH4SBK
Findings	The project activity is described in the PCN version 02 dated 26/05/2022
Conclusion	The project activity fall under SECTORAL SCOPE - 01 Energy industries (Renewable/Non-Renewable Sources) which is in the list of approved scopes as per UCR standard. The project activity does not fall under the Ineligible methodologies given under Table 1 of UCR Standard. The project activity is commissioned after 1 Jan 2002 and so meets the requirement of Project Start Date as per UCR Standard. The verification period is from 18/09/2020 to 30/04/2022 and so meets the requirement of vintage as per UCR Standard /3// UCR verification standard, UCR standard /2/ and complies with all requirements of UCR program/1/

General description of project activity

Means of Project Verification	This project activity involves generation of electricity from the installation and operation of new solar power-based power projects and exporting the energy to the grid. The projects activity is bundled project with total installed capacity of 1.5 MW consisting of 3 plants of 500kW each named as Dhar Solar Plant, Bhandari Ram Solar Plant and Sankhyan Solar Plant in the state of Himachal Pradesh India.
Findings	The letter issued by HPSEB on commissioning of the 3 projects which mentions the capacity as 500kW each and the date of commencement of generation /13/ The DPR of each project activity /14/ which describes the project, location and capacity
Conclusion	The documents perused confirm that the project is as described in the PCN /7/ and MR /8/.

Application and selection of methodologies and standardized baselines

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

Means of Project Verification	The project activity fall under SECTORAL SCOPE - 01 Energy industries (Renewable/Non-Renewable Sources) and has adopted AMS. I.D. (Title: "Grid connected renewable electricity generation", version 18) https://cdm.unfccc.int/methodologies/DB/W3TINZ7KKWCK7L8WTXFQQOFOQQH4SBK
Findings	The appropriate approved methodology of CDM /15/ has been applied
Conclusion	The applied methodology meets the requirements of UCR. The latest version on the methodology version 18 is applied and is valid.

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

Means of Project Verification	The applicability of the chosen small scale methodology AMS I.D. version 18 of CDM, UCR Program standard and UCR verification standard for the project activity was verified.
Findings	The project activity has adopted the emission factor of 0.9 tCO ₂ /MWh recommended by UCR for 2014-2020 for the whole monitoring period.
Conclusion	The monitoring period of the project activity is from 18/09/2020 to 30/04/2022 /8/.The UCR recommended emission factor does not cover the entire monitoring period. The latest CEA emission factor /16/ for the is upto 2021 and is also 0.9 tCO ₂ /MWh. So applying the UCR recommended emission factor throughout the monitoring period is considered appropriate.

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

Means of Project Verification	PCN,MR,PPA
Findings	The project boundary is clearly defined in the PCN and MR
Conclusion	The project boundary is clearly delineated in the PCN and meets the requirements of adopted methodology of CDM AMS. I.D. (Title: "Grid connected renewable electricity generation and Project Eligibility Criteria and Guidance, UCR standard /2/

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(.a.iv) Baseline scenario

Means of Project Verification	PCN, MR, General Project Eligibility Criteria and Guidance, UCR standard, adopted methodology of CDM AMS. I.D. (Title: "Grid connected renewable electricity generation", version 18), CEA data base to know the percentage of thermal power supplied to Indian Grid
Findings	The identified baseline scenario is verified to be correct
Conclusion	In the absence of the project activity, the equivalent amount of electricity would have been generated from the regional grid (which is connected to the unified Indian Grid system), which is carbon intensive due to predominantly sourced from fossil fuel-based power plants. Hence, baseline scenario of the project activity is the grid-based electricity system, The identified baseline scenario meets the requirements of General Project Eligibility Criteria and Guidance, UCR standard /2/ and UCR verification standard /3/.

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

Means of Project Verification	JMR,UCR standard,CEA CO ₂ data base and excel calculation sheet
Findings	Furnished information is verified to be correct
Conclusion	The net generation of electricity of the bundle project activity for the monitoring period matches with that in the JMR. The emission factor adopted is appropriate. The apportioning of the net electricity exported to the grid for the individual projects is taken as given in the JMR. The net emission reduction for the monitoring period 18/09/2020 to 30/04/2022 is 1385 tCO ₂ eq (rounded down) or CoUs /9/

(.a.vi) Monitoring Report

Means of Project Verification	The JMR, calibration reports, MR & PCN
Findings	Furnished information is verified to be correct
Conclusion	The parameters grid emission factor is fixed ex ante and the net electricity exported to the grid are monitored as required by the adopted methodology of CDM AMS. I.D. (Title: "Grid connected renewable electricity generation", version 18). The grid emission factor adopted is as per UCR standard for the period 2014-2020 is 0.9 t CO ₂ /MWh. The emission factor as per CEA data for 2020-21 /16/ is also 0.9 t CO ₂ /MWh. The monitoring period considered is till 30 April 2022 and the latest available emission factor has been adopted for the emission reduction calculations. The calculation of CoU generated for the monitoring period is verified to be correct and has been done adopting a conservative approach. The monitoring report adopts the latest template of UCR and meets the requirements of UCR verification standard /9/.

Start date, crediting period and duration

Means of Project Verification	PCN, MR, Commissioning certificates, JMR
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Findings	The furnished information is verified and found to be correct. The project proponent had clarified in the response to CL-7 the commissioning date and crediting period.
Conclusion	The monitoring period is from 18/09/2020 to 30/04/2022. 1. M/s Dhar Solar Plant started generation from 18/09/2020 2. Bhandari Ram Solar Plant started generation from 16/12/2021 3. Sankhyan Solar Plant started generation from 19/03/2022 The start date, the monitoring period are reported correctly and meet the requirements of the UCR general standard and verification standard.

Positive Environmental impacts

Means of Project Verification	PCN and interview
Findings	Nil. Furnished information is verified and found to be correct.
Conclusion	The project activity creates positive impact on the environment and meets the requirements of UCR project and verification standards /3/.

Project Owner- Identification and communication

Means of Project Verification	The PCN, Communication to HPSEB, Approval of the project by HIMURJA, PPA with HPSEBL and Commissioning Certificates
Findings	Nil. The furnished information is verified and found to be correct
Conclusion	The project owners are 1.M/s Dhar Solar Plant: Prop. M/s Ankit Singh, 2.Bhandari Ram Solar Plant: Prop. M/s Narendra Devi 3.Sankhyan Solar Plant: Prop. M/s Abhishek Sankhyan as verified from the PPA, Commissioning certificates and approval given to the project

Positive Social Impact

Means of Project Verification	Project activity has provided temporary employment to the local population during the construction phase of the project activity. Also few personnel have been employed permanently since commissioning of the project activity. The project activity has created positive social impact in the region
Findings	Nil
Conclusion	Project has an overall positive social impact.

Sustainable development aspects (if any)- N/A

Means of Project Verification	N/A
Findings	
Conclusion	

Internal quality control

The following ensure quality control of the verification

- It is ensured that there is no conflict of interest as the verifier has no other engagement related to the project activity either with the aggregator or with the project owner directly or otherwise.
- Verification activity is carried out by experienced personnel.

Project Verification opinion

The verification of the project activity titled '1.50 MW bundled Solar PV project in Dhar Tath, Distt. Bilaspur, Himachal Pradesh, India' is carried out based on the UCR Protocol for the monitoring period 18/09/2020 to 30/04/2022. The baseline of the project activity is with reference to UCR Protocol Standard Baseline adopted by the CDM Small Scale Methodology : AMS-I.D.: "Grid connected renewable electricity generation", version 18.

The verification is based on the Project concept note version 2 dated 26/05/2022 and Monitoring report version 2 dated 26/05/2022.

In my opinion the emission reduction for the monitoring period is fairly stated and the emission reductions have been correctly calculated as per the adopted methodology and UCR standard version 3.

I am able to certify the the emission reduction from the project activity 1.50 MW bundled Solar PV project in Dhar Tath, Distt. Bilaspur, Himachal Pradesh, India' for the monitoring period 18/09/2020 to 30/04/2022 is 1385 tCO₂ eq (rounded down)

Abbreviations

Abbreviations	Full texts
CAR	Corrective Action Request
CDM	Clean Development Mechanism
CEA	Central Electricity Authority
CL	Clarification Request
COU	Carbon Offset Units
FAR	Forward Action Request
GHG	Green House Gases
HIMURJA	H.P. Government Energy Development Agency
HPSEB	Himachal Pradesh State Electricity Board
JMR	Joint Meter Reading
kWH	Kilo Watt Hour
tCO ₂ eq	Tons of Carbon dioxide Equivalent
PA	Project Aggregator
PPA	Power Purchase Agreement
MR	Monitoring Report
N/A	Not Applicable
PCN	Project Concept Note
SDG	Sustainable Development Goal
UCR	Universal Carbon Registry
VR	Verification Report
VS	Verification Statement

Competence of team members and technical reviewers

S.Ranganathan, holds a Bachelor's Degree in Chemical Engineering and has done diploma course in Management and completed the graduate ship course in Industrial Engineering and has an overall working experience of around thirty eight years. He has around twenty four years experience in Chemical process industry (fertilizer & petrochemical manufacturing) covering production, technical services including energy audits and efficiency studies, waste heat recovery, efficiency studies of boilers, power plants, safety audits and pollution control activities including waste water treatment, project management, corporate planning, sales, logistics in fertilizer & petrochemical industry. With respect to the thermal power plant the job assignment included the monitoring of flue gas exit temperatures, excess air used efficiency of fuel additives, condition of boiler refractory, insulation of steam lines etc. The experience also includes 5 years in process design & engineering for chemical process industry. He is qualified validator, verifier and Technical Reviewer for GHG projects (CDM, Gold Standard, VCS, UCR). He has completed the ISO lead auditor course on Quality Management System, Environmental Management System, Energy Management System, Occupational Health Safety Management System. His qualification, industrial experience and experience in CDM demonstrate his sufficient sectoral competence in areas of (a) 1.1 Thermal energy generation from fossil fuels and Biomass including thermal electricity from solar (b) 1.2 Energy generation from renewable energy sources (c) 2.2 Heat distribution (d) 5.1/11.1/12.1 Chemical Processes Industries and (e) 13.1 Waste handling and disposal.

He has done validation/verification and Technical review of over two hundred projects.

Document reviewed or referenced

No.	Author	Title	References to the document	Provider
1	UCR	Universal Carbon Registry Program Manual Ver 2.0		Verifier
2	UCR	General Project Eligibility Criteria and Guidance		Verifier
3	UCR	UCR Program Verification Guidance Document		Verifier
4	Carbon Private Entity	Communication Agreement		Aggregator
5	Carbon Private Entity	Verification Agreement		Carbon Private Entity
6	Project Proponent	Double Accounting Assurance		Aggregator
7	Aggregator	Project Concept Note Ver 2.0 dated 26/05/2022		Aggregator
8	Aggregator	Monitoring Report ver 2.0 dated 26/05/2022		Aggregator
9	Aggregator	ER calculations 2b.Annexure-1		Aggregator
10	HPSEBL	JMR for the monitoring period		Aggregator
11	Project Proponent	PPA for each project of the bundle		Aggregator
12	HIMURJA	Approval for each project of the bundle		Aggregator
13	HPSEBL	Commissioning Certificate for each project of the bundle		Aggregator
14		DPR of each for each project of the bundle		Aggregator
15	UNFCCC	CDM Small Scale Methodology : AMS-I.D.: "Grid connected renewable electricity generation", version 18.		Verifier

16	CEA	2020-21 CEA Database for grid emission factor		Verifier
17	Aggregator	Photos of meter and project site		Aggregator

Clarification request, corrective action request and forward action request

Table 1. CLs from this Project Verification

CL ID	01	Section no.	Section A1 of PCN	Date: 30/04/2022
Description of CL				
<i>Please clarify to which grid the electricity generated is exported</i>				
Project Owner's response				Date: 26/05/2022
<i>Indian Grid</i>				
Documentation provided by Project Owner				
<i>PCN version 2 dated 26/05/2022</i>				
UCR Project Verifier assessment				Date: 30/05/2022
<i>In the PCN version 2 dated 26/05/2022, the same is corrected.</i>				
<i>CL is closed</i>				
CL ID	02	Section no.	Section A1 of PCN	Date: 30/04/2022
Description of CL				
<i>Please clarify if the project activity is a bundle of 3 projects or there are 3 bundles</i>				
Project Owner's response				Date: 26/05/2022
<i>There is only one bundle activity of 3 plants. Modification has been made in revised PCN version 2.0</i>				
Documentation provided by Project Owner				
<i>PCN version 2 dated 26/05/2022</i>				
UCR Project Verifier assessment				Date: 30/05/2022
<i>In the PCN version 2 dated 26/05/2022, the same is corrected</i>				
CL ID	03	Section no.	Section A1 of PCN	Date: 20/04/2022
Description of CL				
<i>Please clarify if details under Social in Section A1 is relevant to the project activity</i>				
Project Owner's response				Date: 26/05/2022
<i>Yes, Social credentials is relevant to the project activity. However details not relevant to the project activity have been deleted in revised PCN version 2.0.</i>				
Documentation provided by Project Owner				
<i>PCN version 2 dated 26/05/2022</i>				
UCR Project Verifier assessment				30/05/2022
<i>In the PCN version 2 dated 26/05/2022, the same has been detailed.</i>				
<i>CL is closed</i>				
CL ID	04	Section no.	Section A3 of PCN	Date : 20/04/2022
Description of CL				
<i>Please confirm if the GPS coordinates are the same for the 3 projects under the bundle</i>				
Project Owner's response				Date: 26/05/2022
<i>GPS coordinates are same for these 3 plants. These plants are located in same vicinity and have same control room</i>				
Documentation provided by Project Owner				
<i>PCN version 2 dated 26/05/2022</i>				

UCR Project Verifier assessment				Date: 30/05/2022
OK. CL is closed				
CL ID	05	Section no.	Section B5 of PCN	Date: 20/04/2022
Description of CL				
Please provide evidence to conclude that the emission factor applied for the year 2020-21 is conservative.				
Project Owner's response				Date: 26/05/2022
Emission factor for the year 2020-21 has been considered as per CEA guidelines on "CO ₂ Baseline Database for the Indian Power Sector, User Guide Version 17.0, October 2021" wherein Combined Margin is 0.90 for the year 2020-21.				
Annexure-A is attached for reference.				
Documentation provided by Project Owner				
Database for the Indian Power Sector, User Guide Version 17.0, October 2021				
UCR Project Verifier assessment				Date: 30/05/2022
The emission factor considered in the UCR standard for the period 2014-2020 is 0.9 t CO ₂ /MWh. The emission factor as per CEA data for 2020-21 is also 0.9 t CO ₂ /MWh. The monitoring period considered is till 30 April 2022. Considering that the latest available emission factor has been adopted the same is accepted. CL is closed				
CL ID	06	Section no.	Cover page of MR	Date: 20/04/2022
Description of CL				
The monitoring report template shall be maintained. The format for reporting in MR shall be followed as per instruction given in MR template. Use subscript for CO ₂				
Project Owner's response				Date: 30/05/2022
Revised Monitoring report version 2.0 has been prepared in line with the MR template.				
Documentation provided by Project Owner				
MR version 2.0 dated 26/05/2022.				
UCR Project Verifier assessment				Date: 30/03/2022
The revised MR version 2.0 dated 26/05/2022 meets the template requirements. CL is closed				
CL ID	07	Section no.	Section A1 c) of MR	Date: 20/04/2022
Description of CL				
Under section A c) it is seen that one project activity is commissioned only on 17/4/22. The monitoring period is till 31/03/22 only				
Project Owner's response				Date: 08/05/2022
Monitoring period has been revised upto 30.04.2022 which also includes the generation from latest commissioned Sankhyan Solar Plant.				
Accordingly revised Monitoring report version 2.0 has been prepared.				
Documentation provided by Project Owner				
MR version 2.0 dated 26/05/2022.				
UCR Project Verifier assessment				Date: 25/05/2022
In the MR version 2.0 dated 26/05/2022 the monitoring period is from 18/09/2020 to 30/04/2022 and the emission reduction calculations have been done accordingly				

CL ID	08	Section no.	Section C9 of MR	Date: 20/04/2022
Description of CL				
<i>Under section C9 of MR, please compare the actual emission reduction achieved with that estimated as per the PCN for the monitoring period considered.</i>				
Project Owner's response				Date: 26/05/2022
<i>In the PCN, ex-ante estimation for emission reduction for the monitoring period is 3955 CoU.</i>				
<i>Actual emission reductions achieved for the monitoring period is 1385.941 CoU for the monitoring period from 18.09.2020 to 30.04.2022.</i>				
<i>The same has been incorporated in the revised Monitoring Report version 2.0 dated 26/05/2022</i>				
Documentation provided by Project Owner				
<i>MR version 2.0 dated 26/05/2022.</i>				
UCR Project Verifier assessment				Date: 30/05/2022
<i>Under section C9 of MR, please compare the actual emission reduction achieved with that estimated as per the PCN for the monitoring period considered.</i>				

Table 2. CARs from this Project Verification

CAR ID	1	Section no.	Section A6 of PCN	Date: 20/04/2022
Description of CAR				
<i>From the project scenario, it is seen that there is only a single meter for the bundle.</i>				
Project Owner's response				Date: 26/05/2022
<i>There is one Main meter and another is Check Meter.</i>				
<i>In case of any malfunction or meter fails, check meter will be used as back up for such period.</i>				
<i>The main & check meters measures generation from the solar panel as well as import of electricity when the plants are not generating electricity.</i>				
<i>JMR clearly provide the net generation considering both export and import of electricity.</i>				
<i>Each solar plant has its own meter to measure the electricity. From these individual meters, ratios of electricity generation of each plant is calculated. Thereafter, based on these ratios, final energy supplied as per record of main meter is proportionated in respect of each plant.</i>				
Documentation provided by Project Owner				
<i>JMR, PCN version 2 dated 26/05/2022</i>				
UCR Project Verifier assessment				Date: 25/05/2022
<i>In the revised PCN version 2 dated 26/5/22 the project scenario diagram has been revised to reflect the metering system at site.</i>				
<i>The same has been verified during the interview and found to be in order.</i>				
<i>CAR is closed.</i>				
CAR ID	2	Section no.	Section B8 of PCN	Date: 20/04/2022
Description of CAR				
<i>The parameter monitored is not clear. Is it generation or consumption.</i>				
<i>Which document source is used for sourcing data of electricity generated for emission reduction calculations?</i>				
Project Owner's response				Date: 26/05/2022
<i>Project activity consists generation plants to supply electricity into grid. However, when the project is not generating electricity, it imports from the grid to meet requirement of control room, lightening, etc.</i>				
<i>JMR is the sourcing data which clearly provides the net generation considering export and import of electricity. Based on Net energy generated, emission reductions has been calculated. The energy generated from each plant is monitored. The net power exported by each project activity is calculated based on the ratio of the net power exported to the grid as per the main meter reading multiplied to that of electricity generated as per the individual project activity meter to the total electricity generated as per the readings of the individual meters.</i>				
Documentation provided by Project Owner				
<i>Revised PCN Version 02 dated 26/05/2022</i>				

UCR Project Verifier assessment			Date: 25/05/2022	
Project activity consists generation plants to supply electricity into grid. However, when the project is not generating electricity, it imports from the grid to meet requirement of control room, lightening, etc.				
JMR is the sourcing data which clearly provides the net generation considering export and import of electricity. Based on Net energy generated, emission reductions has been calculated. The energy generated from each plant is monitored. The net power exported by each project activity is calculated based on the ratio of the net power exported to the grid as per the main meter reading multiplied to that of electricity generated as per the individual project activity meter to the total electricity generated as per the readings of the individual meters.				
CAR is closed.				
CAR ID	3	Section no.	Section C10 of MR	Date: 20/04/2022
Description of CAR				
For the monitored parameter $EG_{pj,y}$ please include the details of the meter (number, accuracy class, make, calibration details etc)				
Project Owner's response				Date: 26/05/2022
Revision in the Monitoring Report has been made				
Documentation provided by Project Owner				
Revised MR version				
UCR Project Verifier assessment				Date: 30/05/2022
In the monitoring report version 2 dated 26/05/22 the details have been incorporated.				
CAR is closed.				
CAR ID	4	Section no.	Section C10 of MR	Date: 20/04/2022
Description of CAR				
It is seen from the JMR for Dec 21 that the actual power supplied by the individual project activity is available but the same is not provided in the excel sheet				
Project Owner's response				Date: 26/05/2022
Revision has been made in the excel sheet (2b Annexure-I of monitoring report).				
Documentation provided by Project Owner				
Excel sheet 2b Annexure-1				
UCR Project Verifier assessment				Date: 30/05/2022
In the revised excel the project wise electricity generation is provided.				
CAR is closed.				

Table 3. FARs from this Project Verification

FAR ID	xx	Section no.		Date: DD/MM/YYYY
Description of FAR				
No FAR has been raised.				
Project Owner's response				Date: DD/MM/YYYY
Documentation provided by Project Owner				
UCR Project Verifier assessment				Date: DD/MM/YYYY

Description	S.No.	Photograph
Main Meter	20000477	
Check Meter	20000471	
Dhar Solar Plant	20099882	

Bhandari Ram Solar Plant	20099881	 Electronic Trivector Meter ER300P WR300BS52HPDLMS SL NO 20099881 OPPO Reno2 F 2022/05/19 15:40 Bilaspur, Himachal Pradesh
Sankhyan Solar Plant	20099903	 Electronic Trivector Meter ER300P WR300BS52HPDLMS SL NO 20099903 OPPO Reno2 F 2022/05/19 15:40 Bilaspur, Himachal Pradesh