



OUARZAZATE II CONCENTRATED SOLAR POWER PROJECT



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Summary:

KBS Certification Services Ltd. (KBS) has been contracted by “Numerco Ltd” to undertake verification and certification for the greenhouse gas (GHG) emission reductions reported from ‘Ouarzazate II Concentrated Solar Power Project’ for the monitoring period 01-January-2020 to 31-December-2023 in the initial monitoring report/1/.

The main purpose of this project activity is to generate clean form of electricity through renewable solar energy sources. The Project is expected to supply around 699 GWh per year to the Moroccan electricity grid, which is dominated by fossil fuels, thereby reducing greenhouse gas emissions through the provision of clean energy to the grid. The project will therefore displace an equivalent amount of electricity which would have otherwise been generated by fossil fuel dominant electricity grid.

The project consists of installed capacity of 200MW of solar power plant. Ouarzazate II (hereafter referred as NOORo II) uses concentrated solar power (CSP) parabolic trough technology and includes 7 to 8 hours of thermal energy storage. The project is developed by Moroccan Agency for Sustainable Energy (Masen). The project is located in Ait Ougrou rural community, Ghassate Commune of Morocco. The project is commissioned on 25-April-2018.

The electricity generated by the project activity displaces the grid electricity and there by avoid associated CO2 emission. During the current monitoring period, project activity undergoes continued operation since their commissioning and no major breakdown had taken place

The proposed project is a voluntary action being undertaken by Moroccan Agency for Sustainable Energy (Masen). The Numerco Limited (hereafter referred as “Numerco”) is acting as the project proponent for this project activity.

The scope of verification includes confirming the implementation of the monitoring plan of the registered VCS PD (Version 2, Dated: 25-December-2019) and the application of the monitoring

methodology “ACM0002: Grid-connected electricity generation from renewable sources” Version 19.

The verification is consisted of three phases: i) desk review of the project; ii) interviews with project stakeholders; iii) resolution of outstanding issues and the issuance of the final verification report and opinion. The overall verification, from Contract Review to Verification Report & Opinion, was conducted following KBS internal quality procedures.

During the verification process 05 CARs, 05 CLs and 00 FARs were raised. All the findings have been closed satisfactorily and the same has been discussed in Appendix II.

KBS confirms that the monitoring system is in place and the emission reductions are calculated without material misstatements. During the monitoring period from 01-January-2020 to 31-December-2023 (including both days), the project activity has supplied 2,117,091 MWh of electricity to the CFE through the regional grid, thereby resulted in an emission reduction of 1,278,703 tCO₂e.

As per registered PD, the project activity results in replacing anthropogenic emissions of greenhouse gases (GHG's) estimated to be approximately 406,293 tCO₂e per year, thereon displacing 697,429 MWh/year amount of electricity from the grid.

KBS confirms the following:

Reporting period: 01-January-2020 to 31-December-2023

Vintage period	<i>Baseline emissions or removals (tCO₂e)</i>	<i>Project emissions or removals (tCO₂e)</i>	<i>Leakage emissions (tCO₂e)</i>	<i>Net GHG emission reductions or removals (tCO₂e)</i>
01-January-2020 to 31-December-2020	304,501	0	0	304,501
01-January-2021 to 31-December-2021	382,850	0	0	382,850
01-January-2022 to 31-December-2022	253,177	0	0	253,177
01-January-2023 to 31-December-	338,175	0	0	338,175

2023				
Total	1,278,703	0	0	1,278,703

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1 INTRODUCTION

1.1 Objective

KBS has been commissioned by 'Numerco Ltd' to perform verification of its registered VCS project 'Ouarzazate II Concentrated Solar Power Project' (VCS ID 2004), for the reported GHG emission reductions for the given monitoring period 01-January-2020 to 31-December-2023 (both dates included). The VCS projects must undergo an independent third-party verification and certification of emission reductions as the basis for issuance of Verified Carbon Units (VCUs). The objective of this verification is a thorough and independent assessment of registered project activities against the applicable VCS requirement by the VVB. The verification process shall determine whether the proposed project activity complies with the requirements of latest VCS guidelines, applicability conditions of the selected methodology, relevant host country regulations and guidance issued by the VCS Board.

The objectives of this verification exercise are, by review of objective evidence, to establish that:

- The project activity has been implemented and operated as per the project description (PD) and that all physical features (technology, project equipment, and monitoring and metering equipment) of the project are in place;
- Monitoring report and other supporting documents are complete;
- The data is recorded and stored as per the monitoring methodology and approved monitoring plan.
- To confirm that the monitoring system is implemented and fully functional to generate Verified Carbon Units (VCUs) without any double counting, and
- To establish that the data reported are accurate, complete, consistent, transparent and free of material error or omission by checking the monitoring records and the emissionsreduction calculation.

1.2 Scope and Criteria

The scope of verification is to assess the claims and assumptions made in the VCS monitoring report (MR) against the VCS criteria, including but not limited to, VCS standard, applied methodology and other relevant rules and requirements established for VCS project activities.

The Verification is not meant to provide any consulting towards the project participants. However, stated requests for clarification and/or correction actions request may have provided inputs for improvement of the project design

1.3 Level of Assurance

The verification team verified the complete monitoring data /13/ for the monitoring parameter of the monitoring plan against the Monitoring report/1/ and ER Calculation sheet /2/ and confirms that the reported emission reductions are free from any type of material errors. The site visit was also conducted to verify the implementation and monitoring plan of the project activity. The implementation of the project activity (i.e. major equipment and the metering arrangement) was verified from the Commercial Operation date supportive /7/, document Calibration certificate /15/, and during the site visit and found in accordance with the monitoring report /1/ and registered VCS PD /4/. Verification team has also verified the technical details of the project equipments and metering arrangement with the supportive documents /6/ and found correct. The verification team verified the complete monitoring data for all the parameters of the monitoring plan and confirms that the reported emission reductions are free from any type of material errors. Therefore, KBS confirms that the verification is conducted with reasonable level of assurance.

1.4 Summary Description of the Project

The main purpose of this project activity is to generate clean form of electricity through renewable solar energy sources. The project consists of installed capacity of 200MW of solar power plant. Ouarzazate II (hereafter referred as NOORo II) uses concentrated solar power (CSP) parabolic trough technology and includes 7 to 8 hours of thermal energy storage.

The Project is expected to supply around 699 GWh per year to the Moroccan electricity grid, which is dominated by fossil fuels, thereby reducing greenhouse gas emissions through the provision of clean energy to the grid. The project activity generated renewable electricity without any GHG emissions, which displaced part of the electricity otherwise supplied by grid connected fossil fuel fired power plants. Thus, GHG emission reductions are achieved.

The project is located in Ait Ougrour rural community, Ghassate Commune of Morocco. The project is commissioned on 25-April-2018. As per MR, the electricity generated from the project is supplied to national grid which is confirmed from approved VCS PD/4/, verification of supporting documents, interview with PP.

As mentioned above, the project was commissioned on 25-April-2018. The commissioning date of the project is verified against the commissioning certificates/7/.

The project is located in the Ouarzazate NOORo complex. The complex located in Ait Ougrour rural community, and falls within the administration of the Ghassate Commune. Lies between 31°2'6.31"N Latitude and 6°52'8.34"W Longitude

Location of the project was verified through Google Map and found consistent with the data

provided in the registered PD/4/

The Project activity is a new facility (Greenfield) and the electricity delivered by the project activity is exported to the Moroccan grid. The project will therefore displace an equivalent amount of electricity which would have otherwise been generated by fossil fuel dominant electricity grid.

As per registered PD, the project activity results in replacing anthropogenic emissions of greenhouse gases (GHG"s) estimated to be approximately 406,293 tCO₂e per year, thereon displacing 697,429 MWh/year amount of electricity from the grid.

During the monitoring period from 01-January-2020 to 31-December-2023 (including both days), the project activity has supplied 2,117,091 MWh of electricity to the CFE through the regional grid, thereby resulted in an emission reduction of 1,278,703 tCO₂e.

2 VERIFICATION PROCESS

The registered VCS project is undergoing second verification under VCS (1st Crediting period), the approach adopted to ensure the quality of emission reductions is described in the following sections.

2.1 Method and Criteria

KBS assessed and determined whether the proposed implementation and operation of the project activity, and the steps taken to report emission reductions comply with the criteria and relevant guidance provided by the VCS Board. The validation/verification process consist of the following three phases;

- A desk review of the VCS PD and VCS MR
- Follow up interviews with project stakeholders
- The resolution of outstanding issues and issuance of final report and opinion.

The prepared verification report and other supporting documents then undergo an internal quality control before being submitted to the VCS executive board for issuance of credits as per VCS standard

2.2 Document Review

The verification is performed primarily as a document review of the approved VCS PD, previous MR and Verification report and associated documents as stated in detail in Appendix III of this document. The assessment is performed by a verification team using a verification protocol. The

cross checks between information provided in the Monitoring report, VCS PD and information from sources other than those used, if available, the team's sectoral or local expertise and, if necessary, independent background investigations.

2.3 Interviews

The site visit was conducted for the project activity and the physical inspection of power plant, interviews with the PP representative and stakeholders were conducted and reviewed documents to achieve a reasonable level of assurance in the verification. No sampling procedures were adopted in document verification and all the document were cross checked to ensure conservative estimation of emission reduction. The details on the interviews are provided as follows:

Location	The project is located at Ait Ougrour rural community, and falls within the administration of the Ghassate Commune, Morocco.	
Dates	24-July-2024	
Key points discussed	Name of person, interviewed	Designation, Organization
Project Implementation, Operational data, Calibration, Data collection, QA/QC, procedures, Calculation of ERs, VCS requirements	Mohammed Amine Hirry	Representative, APO III
	Karim Ahnouch	Operator, NOMAC
	Adbelow Mihadi	Representative, NOMAC
	Eledrissi Soukaina	Representative, NOMAC
	Yasmin Grou	Representative, NOMAC
	Yassin Rhayati	PP Representative
	Abdelmajid Benjelloun	PP Representative
	Gareth Turner	Director, Numerco
	Anushree Mishra	Manager, Numerco
	Boutaina Benchekroun	PP Representative
	Mohammed Yahya Titafi	PP Representative
	Mohammed Amine Daoudi	PP Representative

2.4 Site Visits

The site visit was conducted for the project activity on 24-July-2024 and the physical inspection of power plant, interviews with the PP representative and stakeholders were conducted and reviewed documents to achieve a reasonable level of assurance in the verification. No sampling procedures were adopted in document verification and all the document were cross checked to ensure conservative estimation of emission reduction.

The following points were atleast covered during the site visit.

- Review of project design, monitoring procedure, any change in design or monitoring procedure, ER calculation etc.
- Plant photographs & energy meter photographs are checked to confirm the plant project design and energy meter specification
- Technical specification of solar plant is verified to confirm the plant specification and project design.
- PPA is checked to confirm the monitoring procedure followed for billing which is used for emission reduction calculation.
- Energy meter reading of monitoring period (signed by MASEN and ACWA Power) are verified to confirm the electricity generated during the monitoring period.
- Calibration Certificate of energy meters are verified to confirm the accuracy of energy meter and validity of calibration of energy meters used for monitoring

From the above assessment, verification team confirm that the project achieves a reasonable level of assurance in the verification. This is in line with the requirements of the VCS Standard, as per which VVBs must achieve a reasonable level of assurance on all validations and verifications.

2.5 Resolution of Findings

The objective of this step is to identify, discuss and conclude on the issues related to the monitoring, implementation and operations of the registered project activity that could impair the capacity of the registered project activity to achieve emission reductions or influence the monitoring and reporting of emission reductions. This is done based on the desk review and onsite assessment. The verification team prepares and/or updates a verification protocol (internal document) that records the conformities and non-conformities, which may be of following types;

CAR (Corrective Action Request) is raised if one of the following occurs:

- Non-compliance with the monitoring plan, the methodology or the standardized baseline are found in monitoring and reporting and has not been sufficiently documented by the project

participants, or if the evidence provided to prove conformity is insufficient;

- Modifications to the implementation, operation and monitoring of the registered project activity has not been sufficiently documented by the project participants;
- Mistakes have been made in applying assumptions, data or calculations of emission reductions that will impact the quantity of emission reductions;
- Issues identified in a FAR during validation to be verified during verification or previous verification(s) have not been resolved by the project participants.

Clarification request (CL) is raised if information is insufficient or not clear enough to determine whether the applicable CDM requirements have been met. All CARs and CLs raised by the KBS during verification shall be resolved prior to submitting a request for issuance

FAR (Forward Action Request) is raised during verification if the monitoring and reporting require attention and/or adjustment for the next verification period.

During the Verification process, total 05 CAR and 05 CL were raised and resolved satisfactorily. No FAR has been raised in the verification. The list of CARs/CLs/FARs raised and the response provided, the mean of validation, reasons for their closure and references to correction in the relevant documents are provided in Appendix IV of this report.

2.5.1 Forward Action Requests

No FAR raised during the verification.

2.6 Eligibility for Validation Activities

KBS has a valid accreditation in the sectoral scope (TA 1.2) from VERRA for the project verification. The VVB name (KBS) is already available on the VERRA website, which can be checked from the below link: <https://verra.org/validation-verification/kbs-certification-services-limited/>. It is clear from the above weblink that KBS holds approval for the TA 1.2 for the VCS projects.

3 VALIDATION FINDINGS

3.1 Methodology Deviations

The verification team confirms that the registered PD complies with the requirements in the applied monitoring methodology ACM0002- Version 19.0 /8/. Therefore, no methodology deviations are applied during the monitoring period. The verification team confirms that no methodology deviations were observed during the current monitoring period.

Findings CAR 03 was raised and successfully closed.

3.2 Project Description Deviations

The monitoring plan of the project during the conceptualization of the project NOOR II had been planned as mentioned in the registered Project Design (PD). The PP has clarified that due to some change in the implementation plan and power purchase agreements of the project, monitoring plan has to be revised in the process of monitoring of the project. Due to this, they had to change the monitoring to the present systems as mentioned in the current Monitoring Report (MR). It is also seen that this is the post registration deviation and permanent till the project lifetime.

It is also noticed that Flow meters were not installed in the monitoring system as mentioned in PD. Other parameters such as $FC_i, NOOR_{o III, y}$, $NCV_{i, y}$ and $EFCO_{2, i, y}$ were not monitored. Verification team had discussed this issue with during the site visit, however this issue was closed after validating it in the current monitoring practice and verified the same from the submitted MR and the ER Sheet and found OK. Hence the deviation is accepted to the verification team. The project description was approved during the previous monitoring period by VERRA. The deviation does not overestimate the emission reduction and hence accepted to the verification team.

The energy meters were operating fine within this monitoring period. However during the monitoring period calibration is not conducted as per the approved monitoring plan and delay has occurred for different periods for the main and check meters. As per the results mentioned in the latest calibration certificates the error was found within the maximum permissible limits ($\pm 0.2\%$) during the calibration of energy meters. As per VVS PA v 03 para 366 (a) requirement: error factor of -0.2% should be applicable for export & $+0.2\%$ to the import i.e. the measured values. Hence being conservative and to account for the error for both export & import, a cumulative error of maximum -0.48% on net electricity generation has been applied for the entire monitoring period. Hence the conservative approach has been followed, which is inline

with the Appendix (Calibration) of the “CDM Validation and Verification Standard for project activities”.

3.3 New Project Activity Instances in Grouped Projects

The project is not a grouped project. Therefore this section is not applicable.

3.4 Baseline Reassessment

Did the project undergo baseline reassessment during the monitoring period?

☐ Yes ☒ No

4 VERIFICATION FINDINGS

4.1 Project Details

The project activity is installation of 200 MW Solar power plant promoted by Moroccan Agency for Sustainable Energy (Masen). The purpose of the project activity is to generate clean electricity with utilization of Solar energy. The project location and commissioning details are given below:

Project Investors Name	Moroccan Agency for Sustainable Energy (Masen)
Project operator	ACWA Power
Capacity in MW	200MW of solar power plant - Ouarzazate II
Storage capacity	7-8 hours
Commissioning Date	25-April-2018
Location	Ait Ougrouir rural community, Ghassate Commune of Morocco.
Geographical Coordinates	31° 00' 30.84"N 31° 2'6.31"W Latitude N, 6°52'8.34"W Longitude

Starting date of the operation of the project activity is 25-April-2018 which is the date of commissioning/commercial operation of the solar plant. During this monitoring period, the project is operated and implemented in accordance with the registered VCS-PD. Neither emergencies (including of overhaul times, downtimes of equipment, exchange of equipment, etc.) happened to the monitoring system in this monitoring period, nor did events or situations occur during the monitoring period which may impact the applicability of the methodology. Since commissioning the project is running without any major breakdown. There is no major incident

taken place during the monitoring period that impact GHG emission reduction or monitoring.

There is no change in project owner or any party involved in the project during the monitoring period. The installation and specification of solar power plant has been checked with power plant Technical Specification/6/ and commissioning certificates/7/. The commissioning has also been duly validated in the VCS validation report of the project activity/05/.

The assessment team confirmed that there is no proposed or actual change to the project design during this monitoring period. The project design as mentioned in the registered VCS PD & monitoring report submitted is implemented and thus the same is acceptable to the assessment team. All required monitoring equipment's and procedures as mentioned in the registered VCS PD & monitoring report are available and implemented in an appropriate manner

The organisational role and responsibility as mentioned in the registered VCS PD & monitoring report is followed onsite. All the monitoring equipment was calibrated as per the specified interval in the registered VCS PD & monitoring report. The delay is observed in Calibration for the current monitoring period and hence the appropriate correction factor has been applied to the complete monitoring period (please refer to section 4.4 of report for more details). All the emergency preparedness as mentioned in the registered VCS PD & monitoring report is followed onsite and no discrepancies were found regarding the same. However the project description deviation was applied as per Section 3.2 of the report.

It was also observed during the verification process that project is not rejected by any other GHG program around the world. Declaration in that effect is also provided by PP.

The assessment team found that the project is in line with the registered VCS PD and no deviation on project design or monitoring plan is observed.

Assessment team concludes the following:

- There is no material discrepancies between project implementation and the project description provided in the registered PD/4/.
- There are some mistakes in the registered PD. The same is corrected in MR and described as project description deviation in the MR/1/. Please refer to Section 3.2 of the report for more details.
- The monitoring plan is implemented completely and monitoring system (i.e., process and schedule for obtaining, recording, compiling and analyzing the monitored data and parameters) is appropriate.
- There is no material discrepancies between the actual monitoring system, and the monitoring plan set out in the project description and the applied methodology/8/.
- The GHG emission reductions or removals generated by the project have not included in an emissions trading program or any other mechanism that includes GHG allowance trading/17/.

- The project has not received or sought any other form of environmental credit, or has become eligible to do so since validation or previous verification.

In view of the information's as verified above the assessment team is able to conclude that the project has been implemented as described in the project description.

- The verification team checked the Specific Environmental and Social Impact Assessment report (SESIA)/22/ of the project. The report analyses the impacts of the project during the various stage of the project. Verification team finds the environmental and social impacts of the project are correctly identified in the report and the summary of the same is reported in the VCS PD.

Verification team also reviewed the implementation details of Environmental and Social Management Plan report. The summary of the same is provided in the VCS MR. The verification team finds that the management plan including the plan are implemented appropriately during at the site during the monitoring period.

Item	Evidence gathering activities, evidence checked, and assessment conclusion:				
Audit history	The audit history table is provided below:				
	Audit type	Period	Program	Validation/verification body name	Number of years
	Validation	First Crediting Period 1st, 25-April-2018 – 24-April-2028	VCS Program	Earthood Services Private Limited	10 years (maximum twice renewal)
	1 st Verification	25-April-2018 – 31-December-2019	VCS Program	4K Earth Science Private Limited	1.66 years

	2 nd Verification	01-January-2020-31-December-2023	VCS Program	KBS Certification Service Limited	4 years
	Total	First Crediting Period: 25-April-2018 – 24-April-2028	-	-	Validation: 10 years Verification: 5.66 years
The assessment team has checked the information about the audit history as provided in the above table and confirmed that the information provided are accurate.					
The project activity is registered under the VCS only (VCS Project ID 2004) and is not registered under any other emissions trading program or any other mechanism that includes GHG allowance trading. The assessment team has checked the relevant registry websites and confirmed the same. The PP also confirms that net GHG emission reductions or removals generated during this monitoring period shall not be used for compliance under any such programs or mechanisms. This has been confirmed in the MR /1/ submitted by the PP and hence accepted by the assessment team.					
The PP has confirmed in the Monitoring Report that the net GHG emission reductions generated by the project activity will not be used for compliance with any other emissions trading program or to meet binding limits on GHG emissions for the same monitoring period.					
The project activity has not sought, received, or is planning to receive credit from another GHG-related environmental credit system. The PP has confirmed in the Monitoring Report that the net GHG emission reductions generated by the project activity will not be used for compliance with any other emissions trading program or to meet binding limits on GHG emissions for the same monitoring period.					

Supply chain (scope 3) emissions double claiming	The project activity is a solar power project and does not involve any supply chain involved in the project such as manufacturers, wholesalers, distributors, and retailers. So, no indirect upstream and downstream GHG emissions are not involved in the project activity. Thus, the Scope 3 emissions are not applicable in this project activity.		
Sustainable development contributions	The project's contribution towards sustainable development has been assessed as under the below table:		
	S. No.	Sustainable Indicator	VVB Assessment
	1	Social Well Being	There are several job opportunities were created to local people during erection, commissioning, and maintenance of the solar power project. This may result to a social balance in the region. The frequency of visiting to villages and nearby areas by skilled, technical and industrialist has increased due to installation /site visit/operation and maintenance work related to solar plant site. This directly and indirectly positively effects the economy of nearby populace.
	2	Environmental well being	Solar power is one of the cleanest renewable energy powers and does not involve any fossil fuel. There are no GHG emissions. The impact on land, water, air and soil is negligible. Thus, the project activity contributes to environmental well-being without causing any negative impact on the surrounding environment.
	3	Economic well being	The project activity has generated permanent and temporary employment opportunity within the vicinity of the project. The electricity supply in the nearby area improves which directly and indirectly improves the economy and lifestyle of the area. During the on-site visit, the assessment team has interviewed the PPs representatives, site personnel and observed that almost all the personnel were unemployed before taking up the job with the project developer. In general, the project activity has delivered the following economic benefits: a. Employment opportunities

		b. Reduce rate of migration to urban area c. Improvement of a rural economy
4	Technological well being	The project activity is step forward in harnessing the untapped solar power potential and further diffusion of the technology in the region. The project activity leads to the promotion and demonstrates the success of solar projects in the region which further motivate more investors to invest in solar power projects. Hence, the project activity leads to technological well-being.

The project activity claimed contribution to SDG7, SDG8 and SDG13 as follows.

SDG target	SDG indicator	Contribution during the monitoring period
SDG 7.2	7.2.1 Renewable energy share in the total final energy consumption (Prevented electricity generation from fossil fuels)	The project prevented 5,671,845 MWh electricity generation from fossil fuels during the monitoring period, which has been confirmed through the submitted electricity generation records/13/.
SDG 8.2	8.3.1 Proportion of Informal employment in non-agriculture employment, by sex (Job generation)	The project provided jobs for more than 9 employees during the monitoring period, which was confirmed during the site visit.
SDG 13	13.2.2 Total greenhouse gas emissions per year (Greenhouse Gas Emissions prevented)	The project activity has prevented the release of 3,496,012 tonnes of CO2 into the atmosphere during the reporting period.

Additional information relevant to the project

No commercially sensitive information has been excluded from the public version of the project description.

Findings CL01, CAR 01, CAR04, CAR05 were raised and successfully closed.

Opinion:

Assessment team concludes the following:

There is no material discrepancies between project implementation and the project description provided in the registered PD/04/.

The monitoring plan is implemented completely and monitoring system (i.e., process and schedule for obtaining, recording, compiling and analysing the monitored data and parameters) is appropriate.

There is no material discrepancies between the actual monitoring system, and the monitoring plan set out in the project description and the applied methodology.

The GHG emission reductions or removals generated by the project have not included in an emissions trading program or any other mechanism that includes GHG allowance trading.

The project has not received or sought any other form of environmental credit, or has become eligible to do so since validation or previous verification.

The project is registered under VCS only.

In view of the information's as verified above the assessment team is able to conclude that the project has been implemented as described in the project description.

4.2 Safeguards and Stakeholder Engagement

4.2.1 Stakeholder Identification

Item	Evidence gathering activities, evidence checked, and assessment conclusion		
Stakeholder identification	Local stakeholder consultation was appropriately conducted under VCS to inform the design of the project and maximize participation from stakeholders during the validation		
	During implementation process, the Local Stakeholder Meetings were organized for information and consultation with the representatives of local stakeholder groups and organisations. The following groups were visited personally by the Project Developer:		
	Stakeholder Category	Direct/Indirect Affected Direct	Relevance to the Project Activity
	The staff of the solar power project	Direct	The project provided jobs for them.

Local residents around the project site	Direct	The project can provide them with new jobs and renewable energy.
Local government including development and reform commission, ecological	Direct	Approval for construction and operation of the project.

Several Community Consultation meetings have been held throughout the project scoping, planning and design phases of the NOORo Complex. A further community consultation meeting was undertaken in 03-February-2015 to inform the stakeholders of the details of NOORo II and incorporate their concerns in the assessment undertaken in the SESIAs (Specific Environmental and Social Impact Assessment). Measures to compensate and/or mitigate the negative impacts that the community voiced in the consultation meeting have been incorporated in the design, operation and management of the proposed facility.

In Morocco, the public consultation process (“enquête publique”) is well defined under the national law 12-03 and is a pre-requisite to carrying out the EIA (Environmental Impact Assessment).

With regards to community consultation and stakeholder engagement, the Moroccan legislation had already been respected and fulfilled, since several rounds of public consultations were conducted during the preparation of the FESIA (Framework Environmental and Social Impact Assessment) for the NOORo complex. However, in order to ensure that international requirements are respected, a specific round of consultation has been undertaken for NOORo II.

The local stakeholders are identified as the people living in the villages in vicinity of the solar project. The comments were received by the survey through following questionnaire during 06-July-2019 to 30-September-2019. The actual survey was conducted in local language i.e. Arabic.

The process was validated during the registration of project activity in VCS. VCS validation report verified to confirm the same. The PP had invited identified stakeholders well in advance with details of venue and time of meeting. The details on the stakeholder consultations were confirmed during the site visit.

	There are no changes in the makeup of the stakeholder since the last consultation meeting was conducted, which was confirmed through the interviews during the site visit. Additionally PP has a mechanism for on-going communication with local stakeholders which has been discussed during the site visit. During the monitoring period (from 01-January-2020 to 31-December-2023), there are no comments received from the comment books, via phone calls for the project activity.
Legal or customary tenure/access rights	The project location is not used for any agricultural or stock-raising purposes and it appropriately far from the border of the village. Therefore, the stakeholders did not formulate any negative consideration regarding the planned project. The project is implemented on private owned land and does not interfere with any legal or customary rights to territories and resources held by project stakeholders. During the onsite visit a few stakeholders were interviewed on this, and no issues identified in this regard.
Stakeholder diversity and changes over time	Stakeholder diversity: The staff of the project, the local residents around the project site, and the local government are affected by the project activity directly. Part of employees are mainly from the project area, and they have different levels of education and skills, and income levels may vary. The farmers around the project live in different villages, and they may have different social networks and ways of interacting. Workers in government departments may come from different backgrounds and have different expertise and experience. Government authorities are responsible for regulating and approving the operation of the project, and different government authorities may have different policies and regulations. Over time, the members of each group will adjust, but their groups does not change much in terms of society, economy, culture, etc. The assessment team has verified the same during the on-site visit. interviewed stakeholders/users during the site visit. It is confirmed that all the stakeholders are in Morocco, and no changes identified over the time.
Expected changes in well-being	The implementation of the project is expected to have a positive impact on the well-being and other characteristics of stakeholders. Relative to the baseline scenario of electricity delivered to Grid by the

	project that would otherwise been generated by the operation of grid-connected power plants and by the addition of new generation sources into the grid, the project bring about the following changes: Local people's well-being: The construction and operation of the project provide employment opportunities for the local people, 9 persons have been employed by the project as long-term employee period. Social welfare: The implementation of the project promoted the local economic development, and provided employment opportunities. Climate change Impact: The Project generates electricity from renewable source to displace equal electricity generated from fossil fuel fired power plants. Collectively, these changes will have a positive impact on villagers' livelihoods and living environment around the project site. During the site visit the assessment team interviewed some of the local villagers and observed that there was agreement among the stakeholders that the proposed project activity would lead to the overall development of the area, mainly by generating employment opportunities and improving the infrastructure leading to an improved life for the villagers. The socio-economic development took place in past and further expected to improve in future as a result of the project activity.
Location of stakeholders	The proposed project sits adjacent to the national highway connecting Ouarzazate and Errachidia, and is approximately 10Km north east of the city of Ouarzazate, 4Km north of National Road N10 and about 20Km north of Mansour Ed Dahbi Dam. The specific plot for the NOORo II CSP has a total area of 460 ha and is part of the 3,000 ha NOORo complex lot. The project activity involves installation of solar power project and the location of stakeholders, Indigenous Peoples (IPs), local communities (LCs), customary rights holders, and areas outside the project area are not impacted by the project. -.
Location of resources	The location of territories and resources which stakeholders own or to which they have customary access are located greenfield of the Ait Ougrour rural community, and falls within the administration of the

	Ghassate Commune. Lies between 31°2'6.31"N Latitude and 6°52'8.34"W Longitude. The Land belongs to the project and hence there are no uncertainties regarding land tenure, access rights, usage rights or land ownership which stakeholders own or to which they have customary access.
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4.2.2 Stakeholder Consultation and Ongoing Communication

Item	Evidence gathering activities, evidence checked, and assessment conclusion
Ongoing consultation	For on-going stakeholder's communication, the Project Owner maintains a grievance register in plant office for local stakeholders to give feedback/grievances as a part of ongoing communication with stakeholders in line with of VCS Standard. In case of grievances, the nature of probable resolution is discussed with the plant head office and implemented by the site in charge. The contact information of the plant responsible exists at the village head, the project owner and local community are always in touch. The project owner regularly checks with the village head if any complaint or a request exists. Any complaint or need from the local community could directly be received by the project owner and appropriate contributions or improvements are made to the local community. The process of Local Stakeholder Consultation is continuous. No grievance was received from the stakeholders in current monitoring period thus no mitigation measure is required. Local community is delighted that the government has chosen this area for this important project not just for the region but for the whole country as well. The project location is not used for any agricultural or stock-raising purposes and it appropriately far from the border of the village. Therefore, the stakeholders did not formulate any negative consideration regarding the planned project. During the current monitoring period, no negative comments were received from the local stakeholders.
Date(s) of stakeholder consultation	03-February-2015 and also this is an ongoing process
Communication of monitored results	The process of Local Stakeholder Consultation is continuous. No grievance was received from the stakeholders in current monitoring period thus no mitigation measure is required. Local community is delighted that the government has chosen this area for this important project not just for the region but for the whole country as well. The

	project location is not used for any agricultural or stock-raising purposes and it appropriately far from the border of the village. Therefore, the stakeholders did not formulate any negative consideration regarding the planned project. The same was confirmed during the site visit.
Consultation records	Project Owner maintains a grievance register in plant office for local stakeholders to give feedback/grievances. In case of grievances, the nature of probable resolution is discussed with the plant head office and implemented by the site in charge. The same was confirmed during the site visit.
Stakeholder input	The stakeholders were pleased with the project. Since they have informed regarding the project at the first stakeholder consultation process, they have no negative comments on the project.

4.2.3 Free, Prior, and Informed Consent

Item	Evidence gathering activities, evidence checked, and assessment conclusion
Consent	The project is located at site where there are not any peoples residing. The project is located at barren land. there is no physical or economic relocation of people.
Outcome of FPIC discussion	This is not relevant for project activity. No resettlement/ forced physical or economic displacement was required without consent.

4.2.4 Grievance Redress Procedure

Item	Evidence gathering activities, evidence checked, and assessment conclusion
Grievance received and steps taken to resolve the grievance including the outcomes of the resolution	The grievance mechanism is in place. Project Owner maintains a grievance register in plant office for local stakeholders to give feedback/grievances. In case of grievances, the nature of probable resolution is discussed with the plant head office and implemented by the site in charge. The assessment team checked the grievance register provided by PP and found that no grievance/feedback was received during the current monitoring period.

Grievance redress procedure	The PP has kept grievance register in plant site office seeking complaints/grievances from local community as a part of ongoing communication with stakeholders in line with the requirements of the VCS Standard.
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4.2.5 Public Comments

Comments received	Actions taken by the project proponent	Evidence gathering activities, evidence checked, and assessment conclusion
No comments received as verified through the project view page and grievance register https://registry.verra.org/app/projectDetail/VCS/2004	Not Applicable	Not Applicable

4.2.6 Risks to Local Stakeholders and the Environment

4.2.6.1 Management Experience

The PP's management team has the experience and expertise to effectively implement similar project activities. The team members have many years of working experience in the field of solar power plant with relevant skills and expertise in project planning, implementation and supervision to effectively manage and drive the implementation of the project.

The project has male and female employees of different genders, and there are female employees in management positions. There is no significant gender difference between female employees and male employees in terms of salary, promotion opportunities and welfare benefits, and employees of different genders have equal opportunities to obtain training and development resources. In regular employee satisfaction surveys, all employees feel that the project is treated equally in terms of gender and pay. The project adopts a compliant recruitment and employment policy to ensure that the recruitment and employment policies comply with relevant ILO standards and do not involve any form of human trafficking, forced Labour and child Labour. PP conducted comprehensive background checks and comply with local labor laws and regulations to ensure that employees are not exploited and abused.

The project has put in place monitoring mechanisms to ensure that all employees and partners involved in the project are not involved in human trafficking, forced Labour and child Labour. PP conducts regular on-site inspections and audits to ensure that there are no violations of labor rights during the implementation of the project. The PPs work with partners who share the same

commitment to labor rights to ensure that the entire supply chain is free from human trafficking, forced labor and child labor.

The project provides training to employees and partners on human trafficking, forced Labour and child Labour to increase their awareness of these issues and how to avoid and report possible violations. The management was interviewed and it was found that management has sufficient experience in the field of renewable energy including solar power generation.

4.2.6.2 Risk Assessment

Item	Evidence gathering activities, evidence checked, and assessment conclusion
Natural and human induced risks to stakeholders' wellbeing	This section is not applicable yet. Effective for all project requests submitted to the Verra Registry on or after 01-January-2025. Ref: Appendix -III, page 86, VCS standard v 4.7 /9/
Risks to stakeholder participation	Stakeholders are involved in every stage of informing about the project activity. The complaint mechanism is fully functioning. However this section is not applicable yet. Effective for all project requests submitted to the Verra Registry on or after 01-January-2025. Ref: Appendix -III, page 86, VCS standard v 4.7 /9/
Working conditions	All necessary training regarding the health and safety of employees is provided. Child labor as defined in the ILO Minimum Age Convention is not permitted. The Project Developer ensures that there is no forced labor, and that all employment complies with national occupational and occupational health and safety laws, obligations under international law, and the principles and standards and essential conventions of the International Labor Organization (ILO). However this section is not applicable yet. Effective for all project requests submitted to the Verra Registry on or after 01-January-2025. Ref: Appendix -III, page 86, VCS standard v 4.7 /9/
Safety of women and girls	The project does not endanger the safety of girls and women. This section is not applicable yet. Effective for all project requests submitted to the Verra Registry on or after 01-January-2025. Ref: Appendix -III, page 86, VCS standard v 4.7 /9/

Safety of minority and marginalized groups, including children	The project does not jeopardize the safety of minorities and isolated groups, including children. This section is not applicable yet. Effective for all project requests submitted to the Verra Registry on or after 01-January-2025. Ref: Appendix -III, page 86, VCS standard v 4.7 /9/
Pollutants (air, noise, discharges to water, generation and release of hazardous materials and chemical pesticides and fertilizers)	The project is a solar energy project. The Environmental Impact Assessment was carried out the summary of the findings of the report are the following. No negative impact was assessed. This section is not applicable yet. Effective for all project requests submitted to the Verra Registry on or after 01-January-2025. Ref: Appendix -III, page 86, VCS standard v 4.7/9/

4.2.7 Respect for Human Rights and Equity

4.2.7.1 Labor and Work

Item	Evidence gathering activities, evidence checked, and assessment conclusion
Discrimination	This section is not applicable yet. Effective for all project requests submitted to the Verra Registry on or after 01-January-2025. Ref: Appendix -III, page 86, VCS standard v 4.7/9/ However the verification team during the site visit confirmed that the project does not involve and is not complicit in any form of discrimination based on gender, race, religion, sexual orientation or any other basis.
Sexual harassment	This section is not applicable yet. Effective for all project requests submitted to the Verra Registry on or after 01-January-2025. Ref: Appendix -III, page 86, VCS standard v 4.7/9/ However the verification team during the site visit confirmed that the project does not involve and is not complicit in any form of discrimination based on gender, race, religion, sexual orientation or any other basis.
Gender equity in labor and work	Not Applicable- Ref: Appendix -III, page 86, VCS standard v 4.7/9/

	However the verification team during the site visit confirmed that the project does not reduce access to or control of resources for women. The project does not involve in any form discrimination in any kind of form. The project respects the employees' freedom of association and their right to collective bargaining and is not complicit in restrictions of these freedoms and rights.
Forced labor	Not Applicable- Ref: Appendix -III, page 86, VCS standard v 4.7/9/ However the verification team during the site visit confirmed that the child labour, as defined by the ILO Minimum Age Convention, is not allowed. The Project Developer ensures that there is no forced labour, and that all employment is in compliance with national labour and occupational health and safety laws, with obligations under international law, and consistency with the principles and standards embodied in the International Labour Organization (ILO) fundamental conventions
Child labor	Not Applicable- Ref: Appendix -III, page 86, VCS standard v 4.7/9/ However the verification team during the site visit confirmed that the child labour, as defined by the ILO Minimum Age Convention, is not allowed. The Project Developer ensures that there is no forced labour, and that all employment is in compliance with national labour and occupational health and safety laws, with obligations under international law, and consistency with the principles and standards embodied in the International Labour Organization (ILO) fundamental conventions
Human trafficking	Not Applicable- Ref: Appendix -III, page 86, VCS standard v 4.7/9/ However the verification team during the site visit confirmed that the child labour, as defined by the ILO Minimum Age Convention, is not allowed. The Project Developer ensures that there is no forced labour, and that all employment is in compliance with national labour and occupational health and safety laws, with obligations under international law, and consistency with the principles and standards embodied in the International Labour Organization (ILO) fundamental conventions

4.2.7.2 Human Rights

Risks identified	Evidence gathering activities, evidence checked, and assessment conclusion
N/A	This section is not applicable yet. Effective for all project requests submitted to the Verra Registry on or after 01-January-2025. Ref: Appendix -III, page 86, VCS standard v 4.7/9/ However the verification team during the site visit confirmed that the project is not complicit in Human Rights abuses and the project owner respects internationally proclaimed human rights including dignity, cultural property and uniqueness of indigenous people.

4.2.7.3 Indigenous Peoples and Cultural Heritage

Risks identified	Evidence gathering activities, evidence checked, and assessment conclusion
N/A	This section is not applicable yet. Effective for all project requests submitted to the Verra Registry on or after 01-January-2025. Ref: Appendix -III, page 86, VCS standard v 4.7/9/ However the verification team during the site visit confirmed that there is no resettlement issue associated with the project.

4.2.7.4 Property Rights

Risks identified	Evidence gathering activities, evidence checked, and assessment conclusion
N/A	This section is not applicable yet. Effective for all project requests submitted to the Verra Registry on or after 01-January-2025. Ref: Appendix -III, page 86, VCS standard v 4.7/9/ However the verification team during the site visit confirmed that all permits for the project site were obtained during the construction and initial operation of the project activity.

N/A	This section is not applicable yet. Effective for all project requests submitted to the Verra Registry on or after 01-January-2025. Ref: Appendix -III, page 86, VCS standard v 4.7/9/
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4.2.7.5 Benefit Sharing

Item	Evidence gathering activities, evidence checked, and assessment conclusion
Summary of the benefit sharing plan	This section is not applicable yet. Effective for all project requests submitted to the Verra Registry on or after 01-January-2025. Ref: Appendix -III, page 86, VCS standard v 4.7/9/ However the verification team during the site visit confirmed that there is no benefit sharing in the project activity.
Benefit sharing during the monitoring period	This section is not applicable yet. Effective for all project requests submitted to the Verra Registry on or after 01-January-2025. Ref: Appendix -III, page 86, VCS standard v 4.7/9/

4.2.8 Ecosystem Health

Item	Evidence gathering activities, evidence checked, and assessment conclusion
Impacts on biodiversity and ecosystems	This section is not applicable yet. Effective for all project requests submitted to the Verra Registry on or after 01-January-2025. Ref: Appendix -III, page 86, VCS standard v 4.7/9/ However the verification team during the site visit confirmed that the few recorded species are common and only found in small numbers on the site. None of the species found on or near the site is rare or endangered. Nevertheless, care is being taken to keep any impact as low as reasonably possible, both on the site itself and on any surrounding area affected by the project (e.g. site access roads), as a precautionary measure.
Soil degradation and soil erosion	This section is not applicable yet. Effective for all project requests submitted to the Verra Registry on or after 01-January-2025. Ref: Appendix -III, page 86, VCS standard v 4.7/9/ However the verification team during the site visit confirmed that project is solar energy project and there is no soil degradation and soil erosion involved due to the project activity.

Water consumption and stress	This section is not applicable yet. Effective for all project requests submitted to the Verra Registry on or after 01-January-2025. Ref: Appendix -III, page 86, VCS standard v 4.7/9/ However the verification team during the site visit confirmed that the sanitary wastes and waste from maintenance and food production occur only in small quantities. Site management practices introduced during construction is continued (e.g. storage and disposal of wastes; training and supervision of staff and contractors).
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4.2.8.1 Rare, Threatened, and Endangered species

Item	Evidence gathering activities, evidence checked, and assessment conclusion
Species or habitat	This section is not applicable yet. Effective for all project requests submitted to the Verra Registry on or after 01-January-2025. Ref: Appendix -III, page 86, VCS standard v 4.7/9/ However the verification team during the site visit confirmed that there are no any endangered species identified as potentially present within the Project boundary (including those that may route through the area). The Project does not potentially impact other areas where endangered species may be present through transboundary affects
Areas needed for habitat connectivity	This section is not applicable yet. Effective for all project requests submitted to the Verra Registry on or after 01-January-2025. Ref: Appendix -III, page 86, VCS standard v 4.7/9/
N/A	N/A

4.2.8.2 Introduction of Species

Species introduced	Evidence gathering activities, evidence checked, and assessment conclusion
No species introduced	Not applicable

Existing invasive species	Evidence gathering activities, evidence checked, and assessment conclusion
No invasive species exists	Not applicable

4.2.8.3 Ecosystem conversion

Item	Evidence gathering activities and evidence checked
Ecosystem conversion	This section is not applicable yet. Effective for all project requests submitted to the Verra Registry on or after 01-January-2025. Ref: Appendix -III, page 86, VCS standard v 4.7/9/

4.3 Accuracy of Reduction and Removal Calculations

The verification team was able to confirm that the monitoring plan contained in registered VCS- PD/4/ and MR/1/ is in accordance with the approved large-scale methodology applied for the project activity i.e. “ACM0002 ver. 19 - Grid-connected electricity generation from renewable sources” /8/ and its applicable tools.

The parameter stated in the monitoring plan and the applied methodology /8/ has been fulfilled in the current monitoring period.

Parameters monitored:

Verification team confirms through site visit verification and from the document review, the actual monitoring system complies with the monitoring plan mentioned in the registered validated VCS-PD/4/. According to the monitoring plan in the registered VCS-PD, there is 1 monitoring parameter required to be monitored “Quantity of net electricity generation supplied by the project plant/unit to the grid in year” (EG PJ, y), for which the details are provided in Section 4.4 of the report.

The verification team assessed whether the data and calculations of GHG emission reductions achieved resulting from the MR. The verification team has checked whether calculations of baseline GHG emissions, project GHG emissions and leakage GHG emissions have been carried out in accordance with the formulae and methods described in the monitoring plan of the VCS PD and MR.

In detail the following has been verified:

Transparency: It has been checked whether the calculation of baseline emissions is fully traceable and, where used, the Excel calculation provides all calculation formulae.

Parameter consistency: It has been checked whether all internal and external parameters and data used for the calculation are applied consistently in the monitoring report and the calculation spreadsheet.

Correctness: It has been checked whether the applied formulae and methods for calculating baseline emissions are in accordance with the monitoring plan and the approved methodology.

Completeness: It has been checked whether all calculations are complete and without omissions

Baseline emission: The baseline Emissions for a given year is calculated by multiplying the energy baseline (EB) with the grid emission factor. The grid in this case would be the “Morocco National Grid”

Formula used:-

$$BE_y = EG_{PJ,y} * EF_{grid,CM,y}$$

Where;

BE_y : Baseline emissions in year y (tCO₂e/yr)

$EG_{PJ,y}$: Quantity of net electricity generation that is produced and fed into the grid as a result of the implementation of the project activity in year y (MWh/yr)

$EF_{grid,CM,y}$: Combined margin CO₂ emission factor for grid connected power generation in year y calculated using the latest version of the “Tool to calculate the emission factor for an electricity system” (tCO₂/MWh)

$EG_{PJ,y}$: The verification team has checked the entire monthly energy meter reading statement applicable for the monitoring period as per the project activity applied for verifications and found all the parameters are monitored and recorded as per the monitoring plan in the approved PD. The verification team has crosschecked the emission reduction sheet and monitoring report data with the energy meter reading statement and found all the values are matching.

$EF_{grid,CM,y}$ As verified from the registered PD the Combined margin CO₂ emission factor for grid is 0.604 tCO₂/MWh which is fixed ex-ante

Project Emission:

According to Methodology ACM0002, Version 19.0, the proposed project activity is solar power plants with photovoltaic technology that does not use fossil fuels. Therefore, project emissions are considered zero.

$PE_y = 0$.

Leakage: As per methodology and registered VCS PD the leakage is zero.

$LE_y = 0$.

Emission Reduction:

Emission Reduction is calculated as below:

$$ER_y = BE_y - PE_y - LE_y$$

PP has submitted emission reduction the calculation in the excel sheet/2/. The emission reduction calculation in the excel sheet is checked whether the calculation is in accordance with the formula given in the approved PD/4/ and the selected methodologies/8/.

Finding: CL02, CL 03, CL 04, CL 05 was raised and successfully closed.

The verification team confirms the following:

- The complete data set for the identified and required parameter for the operational days in the current monitoring period was available;
- The reported data has been cross checked with available records, as indicated in the section 4.4 above under each monitored data, wherever appropriate;
- In the opinion of assessment team, emission factor values that were applied in the calculations is consistent with registered PDD /05/ and correctly applied in MR /1/, emission reduction spread sheet /02/ and justified.
- The baseline, project and leakage emissions have been determined in accordance with the requirement of the applied methodologies, as contained in the final monitoring report and corresponding emission reductions spreadsheet;
- The assumptions, emission factors and default values used are justified, as indicated in the section 4.4 above
- The monitoring plan has been implemented as per the registered PD /4/;
- The monitoring complies with the requirement of the applied methodology /8/;
- The information inflow (from data generation, aggregation, to recording, calculation and reporting) is included above under each parameter and confirms to the requirement of the PDD;
- The values included in the monitoring report and corresponding emission reduction sheets are verified and included under each monitoring parameter, wherever appropriate;

4.4 Quality of Evidence to Determine Reductions and Removals

The only monitoring parameter in the project activity is “Quantity of net electricity generation supplied by the project plant/unit to the grid in year” (EG PJ, y). This is obtained from monthly Energy Meter Reading. The bi-directional energy meter will measure both export & import electricity and net electricity supplied to grid is estimated from difference between export & import electricity. Electricity export to the grid and import from the grid is metered by main and backup energy meters of 0.2s accuracy class.

The monthly net export is recorded in the monthly energy meter reading statement which is signed by ONEE, MASEN and AWCA Power. The appropriateness of reading ($EG_{NORo II,y}$) is assessed as below:

Criteria/Requirements	Assessment/Observation
Measuring /Reading /Recording frequency	The electricity exported to the grid is determined through bi-directional meter reading and bulk energy meter installed at ONEE sub-station. The electricity exported is measured on continuous basis and reported monthly.
Is measuring and reporting frequency in accordance with the monitoring plan and monitoring methodology? (Yes / No)	Yes. The reporting frequency is in line with the monitoring plan as outlined in the approved PD/04/ and monitoring methodology/8/.
Monitoring equipment	Energy meters (main & Check) installed at ONEE substation.
Is accuracy of the monitoring equipment as stated in the monitoring plan? If the monitoring plan does not specify the accuracy of the monitoring equipment, does the accuracy of the monitoring equipment comply with local/national standards, or as per the manufacturer's specification?	The energy meters are bi-directional meters of accuracy class 0.2s. Accuracy of the monitoring equipment's is in accordance with the monitoring plan as outlined in the PD.
Is the accuracy valid for the entire measuring range or do different accuracy levels apply to different measuring ranges?	Yes the accuracy valid for the entire measuring range
Calibration frequency /interval:	6 months
Is the calibration interval in line with the monitoring plan and/or methodology? If the monitoring plan does not specify the frequency of calibration, is the selected frequency in accordance with the local/national standards, or as per the manufacturer's specifications?	During the monitoring period calibration is not conducted as per the approved monitoring plan and delay has occurred for different periods for the main and check meters. As per the results mentioned in the latest calibration certificates the error was found within the maximum permissible limits (+/-0.2%) during the calibration of energy meters. As per VVS PA v 03 para 366 (a) requirement: error factor of "-0.2%" should be applicable for export & +0.2% to the import i.e. the measured values. Hence being conservative and to account for the error for both export & import, a cumulative error of maximum "-0.48%" on net electricity generation has been applied for the entire monitoring period. The approach chosen for applying the correction factor is found conservative and appropriate.
Is the calibration of measuring equipment carried out by an accredited person or institution?	Calibration of the measuring equipment's is carried out by an accredited entity.
Is(are) calibration(s) valid for the whole reporting period?	During the monitoring period calibration is not conducted as per the approved monitoring plan and delay has occurred for different periods for the main and check meters. As per the results mentioned in the latest calibration certificates the error was found within the maximum permissible limits (+/-0.2%) during

	the calibration of energy meters. As per VVS PA v 03 para 366 (a) requirement: error factor of "-0.2%" should be applicable for export & +0.2% to the import i.e. the measured values. Hence being conservative and to account for the error for both export & import, a cumulative error of maximum "-0.48%" on net electricity generation has been applied for the entire monitoring period. The approach chosen for applying the correction factor is found conservative and appropriate.
Is the calibration carried out for a measuring range comparable with the range for which measurements have been carried out?	Yes, calibration carried out for a measuring range comparable with the range for which measurements have been carried.
How were the values in the monitoring report verified?	Reported values of this parameter have been verified with monthly energy meter reading statement/3/. Value of this parameter for the current monitoring period are verified and the values is 2,117,091 MWh. Furthermore, monthly values of this parameter is reported in the ER calculation sheet/02/ are also verified with the MR/01/ and found to be consistent.
If applicable, has the reported data been cross-checked with other available data?	The monthly reported values of this parameter were further cross checked with the monthly invoices raised by the PP /14/ and found to be consistent.
Does the data management ensure correct transfer of data and reporting of emission reductions and are necessary QA/QC processes in place?	Yes, the adequate QA/QC procedures were implemented by all the stakeholders, namely, the Grid Authority, the PP and the O&M team.
In case project participants have temporarily not monitored the parameter, has either i) a deviation been approved by the CDM EB or ii) has the parameter been estimated as stipulated by Appendix 1 to the CDM Project Standard?	No such issues.

Parameters not monitored/ex-ante fixed parameters:

- a. $EF_{grid,OM,y}$ (tCO₂/MWh): Operating margin CO₂ Emission Factor of national electricity grid in year y

	Discussion and verification assessment
Purpose of data	Calculation of baseline emissions
Verified value	0.634 tCO ₂ /MWh

Source of value	Registered VCS-PD /04/ National power utility (ONEE), IPCC Official statistics released by the national power utility (ONEE), reliable data source, latest data available (2018) 2006 IPCC Guidelines on National GHG Inventories default values The build margin is calculated as per the “Tool to calculate the emission factor for an electricity system”, version 7.0
Justification	It is fixed for the entire crediting period as per the registered VCS-PD /04/. The value of the combined margin emission factor has been correctly taken as per the registered VCS-PD /04/ and hence accepted by the verification team.

- b. $EF_{grid,BM,y}$ (tCO₂/MWh): Build margin CO₂ Emission factor of national electricity grid in year y

	Discussion and verification assessment
Purpose of data	Calculation of baseline emissions
Verified value	0.515 tCO ₂ /MWh
Source of value	Registered VCS-PD /04/ National power utility (ONEE), IPCC Official statistics released by the national power utility (ONEE), reliable data source, latest data available (2018) 2006 IPCC Guidelines on National GHG Inventories default values The build margin is calculated as per the “Tool to calculate the emission factor for an electricity system”, version 7.0
Justification	It is fixed for the entire crediting period as per the registered VCS-PD /04/. The value of the combined margin emission factor has been correctly taken as per the registered VCS-PD /04/ and Hence accepted by the verification team.

- c. $EF_{grid,CM,y}$ (tCO₂/MWh): Combined margin CO₂ Emission factor of national grid applying for solar power plant in year y

	Discussion and verification assessment
Purpose of data	Calculation of baseline emissions
Verified value	0.604 tCO ₂ /MWh

Source of value	Registered VCS-PD /04/ Calculate using $EG_{grid,OM,y}$ and $EF_{grid,BM,y}$ published by Department of Climate Change and Wom , WBM with value of 0.75 and 0.25 for solar power plant project
Justification	It is fixed for the entire crediting period as per the registered VCS-PD /04/. The value of the combined margin emission factor has been correctly taken as per the registered VCS-PD /04/ and Hence accepted by the verification team.

Calibration of meters: During the verification assessment of the project activity, accuracy of all the metering have been checked and found appropriate. The bulk energy meters installed at the substation are at the control of DISCOM and are regularly calculated by DISCOM. Details of meter calibration are provided in below table:

Meter	Calibration date /15/	Validity
Main meter – 02833838	15-October-2020	The validity is not mentioned in the certificate, according to the grid operator (ONEE) the validity of the calibration is more than 1 years up to 2 years
Emergency meter – 02833839	15-October-2020	
Main meter – 02833838	19-April-2021	
Emergency meter – 02833839	19-April-2021	
Main meter – 02833838	28-October-2021	
Emergency meter – 02833839	28-October-2021	
Main meter – 02833838	21-April-2022	
Emergency meter – 02833839	21-April-2022	
Main meter – 02833838	31-October-2022	
Emergency meter – 02833839	31-October-2022	
Main meter – 02833838	02-May-2023	
Emergency meter – 02833839	02-May-2023	
Main meter – 02833838	02-November-2023	
Emergency meter – 02833839	02-November-2023	

The energy meter calibration certificates/15/ are checked and found that the calibration details provided in the MR is correct. It is found that energy meters are calibrated as per the required frequency except for some intervals where the calibration frequency not met, however the correction factor has been applied to the entire monitoring period on conservative basis.

The assessment team has verified the monthly joint meter reading report issued by respective state utility and confirmed that only the data recorded through main meters is used to calculate

net electricity supplied to the grid by the projects belongs to particular developer and consequently for ER calculations.

In view of the above discussion the assessment team able to confirm that evidence used to determine the GHG reductions and removals are sufficient and appropriate with respect to quality and quantity.

GHG Calculations

The emission reduction as per the applied methodology equals the baseline emissions (project emissions and leakage emissions for such project activities is considered zero). The formula provided for the calculation of baseline emissions is:

$$BE_y = EGPJ_y * EF_{grid,CM,y}$$

Monitoring period	EG _{facility,y} (MWh)	EF _{grid,CM,y} (tCO ₂ e/MWh)	BE _y (tCO ₂ e)
2020	504148	0.604	304501
2021	633867	0.604	382850
2022	419173	0.604	253177
2023	559903	0.604	338175
Total	2,117,091	0.604	1,278,703

Since project emission and leakage are zero, baseline emission is equal to emission reduction.

$$ER_y = BE_y$$

Year	Baseline emissions or removals* (tCO ₂ e)	Project emissions or removals (tCO ₂ e)	Leakage emissions (tCO ₂ e)	Net GHG emission reductions or removals (tCO ₂ e)
2020 Vintage (01-January-2020-31-December-2020)	304,501	0	0	304,501
2021 Vintage (01-January-2021-31-December-2021)	382,850	0	0	382,850

2022 Vintage (01-January-2022- 31-December- 2022)	253,177	0	0	253,177
2023 Vintage (01-January-2023- 31-December- 2023)	338,175	0	0	338,175
Total	1,278,703	0	0	1,278,703

The verification team confirms that appropriate methods and formulae for calculating baseline emissions have been followed. The assumptions, emission factors and default values that were applied in the calculations are justified. All the data were made available and have monitored as per required monitoring frequency. The means of verification for the values of parameters, used for baseline emission calculation, is described above.

However, verification team has observed that the actual ER achieved during the current monitoring period is very much lower than the estimated ER as per registered PD for the comparable period. Since the emission reduction is less than the estimated emission reduction, no further justification is required.

We further confirm that, sufficient evidence covering the entire monitoring period and at the required frequency were available. A list of referred documents for verification is also included in Appendix III of this report.

4.5 Non-Permanence Risk Analysis

Not applicable

5 VERIFICATION OPINION

5.1 Verification Summary

KBS Certification Services Ltd. (KBS), contracted by Numerco Limited, has performed the independent verification of the emission reductions for the VCS project activity “Ouarzazate II Concentrated Solar Power Project” (VCS ID- 2004) in Morocco for the monitoring period 01-January-2020 to 31-December-2023 as reported in the final Monitoring Report. The Numerco Limited and the project proponent are responsible for the collection of data in accordance with

the monitoring plan and the reporting of GHG emissions reductions from the project activity. It is our responsibility to express an independent verification statement on the reported GHG emission reductions from the project activity

KBS commenced the verification on the basis of the baseline and monitoring methodology ACM0002, Version 19, the monitoring plan contained in the registered VCS PD and VCS guidelines, final Monitoring Report as per the process described under Section 2 of this report.

KBS verification approach is based on the understanding of the risks associated with reporting of GHG emission data and the controls in place to mitigate these. KBS planned and performed the verification by obtaining evidence and other information and explanations that KBS considered necessary to give reasonable assurance that reported GHG emission reductions are fairly stated.

In our opinion, the GHG emissions reductions reported for the project activity for the period 01-January-2020 to 31-December-2023 are fairly stated in the Monitoring Report. The GHG emission reductions were calculated correctly on the basis of the approved baseline and monitoring methodology ACM0002, Version 19, and the VCS standard.

Verification period: From 01-January-2020 to 31-December-2023

Verified GHG emission reductions and removals in the above verification period:

Year	Baseline emissions or removals (tCO2e)	Project emissions or removals (tCO2e)	Leakage emissions (tCO2e)	Net GHG emission reductions or removals (tCO2e)
2020 Vintage (01-January-2020-31-December-2020)	304,501	0	0	304,501
2021 Vintage (01-January-2021-31-December-2021)	382,850	0	0	382,850
2022 Vintage (01-January-2022-31-December-2022)	253,177	0	0	253,177
2023 Vintage	338,175	0	0	338,175

(01-January-2023-31-December-2023)				
Total	1,278,703	0	0	1,278,703

5.2 Verification Conclusion

KBS Certification Services Ltd. (KBS) contracted by “Numerco Ltd”, has performed the independent verification of the emission reductions for the VCS project activity (VCS ID- 2004) “Ouarzazate II Concentrated Solar Power Project” in Morocco for the monitoring period 01-January-2020 to 31-December-2023 as reported in the final Monitoring Report/1/. PP is responsible for the collection of data in accordance with the monitoring plan and the reporting of GHG emissions reductions from the project activity. It is our responsibility to express an independent verification statement on the reported GHG emission reductions from the project activity.

KBS commenced the verification on the basis of the baseline and monitoring methodology ACM0002- Version 19.0, the monitoring plan contained in the registered VCS PD /04/, VCS guidelines/9/10/ and initial Monitoring Report/1/ as per the process described under Section 2 of this report.

KBS verification approach is based on the understanding of the risks associated with reporting of GHG emission data and the controls in place to mitigate these. KBS planned and performed the verification by obtaining evidence and other information and explanations that KBS considered necessary to give reasonable assurance that reported GHG emission reductions are fairly stated.

In our opinion the GHG emissions reductions reported for the project activity for the period 01-January-2020 to 31-December-2023 are fairly stated in the final Monitoring Report/1/. The GHG emission reductions were calculated correctly on the basis of the approved baseline and monitoring methodology ACM0002- Version 19.0, VCS standard and ISO 14064-3:2019

Verification period: From 01-January-2020 to 31-December-2023

Verified GHG emission reductions and carbon dioxide removals in the above verification period:

Vintage period	Baseline emissions (tCO ₂ e)	Project emissions (tCO ₂ e)	Leakage emissions (tCO ₂ e)	Reduction VCU (tCO ₂ e)	Removal VCU (tCO ₂ e)	Total VCUs (tCO ₂ e)
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2020 Vintage (01-January- 2020-31- December- 2020)	304,501	0	0	304,501	-	304,501
2021 Vintage (01-January- 2021-31- December- 2021)	382,850	0	0	382,850	-	382,850
2022 Vintage (01- January- 2022-31- December- 2022)	253,177	0	0	253,177	-	253,177
2023 Vintage (01- January- 2023-31- December- 2023)	338,175	0	0	338,175	-	338,175
Total	1,278,703	0	0	1,278,703	-	1,278,703

5.3 Ex-ante vs Ex-post ERR Comparison

Vintage period	Ex-ante estimated reductions/ removals	Achieved reductions/ removals	Percent difference	Explanation for the difference
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2020 Vintage (01-January- 2020-31- December- 2020)	406,293	304,501	25%	The actual emission reduction for this monitoring period is lesser than the estimated emission reduction for this monitoring period due to low generation.
2021 Vintage (01-January- 2021-31- December- 2021)	406,293	382,850	6%	The actual emission reduction for this monitoring period is lesser than the estimated emission reduction for this monitoring period due to low generation.
2022 Vintage (01-January- 2022-31- December- 2022)	406,293	253,177	38%	The actual emission reduction for this monitoring period is lesser than the estimated emission reduction for this monitoring period due to low generation.
2023 Vintage (01-January- 2023-31- December- 2023)	406,293	338,175	17%	The actual emission reduction for this monitoring period is lesser than the estimated emission reduction for this monitoring period due to low generation.
Total	1,625,172	1,278,703	21%	The actual emission reduction for this monitoring period is lesser than the estimated emission reduction for this monitoring period due to low generation.

Location: Faridabad

Date: 18/12/2024



Authorized Signatory: Praveen N Urs

Designation: Director Climate Change & Sustainability

KBS Certification Services Ltd.

APPENDIX 1: COMMERCIALLY SENSITIVE INFORMATION

Not Applicable

APPENDIX II: ABBREVIATIONS

BM	Build Margin
CAR	Corrective Action Request
CDM	Clean Development Mechanism
CL	Clarification Request
DPR	Detailed Project Report
EB	Executive Board
EIA	Environmental Impact Assessment
ER	Emission Reductions
FAR	Forward Action Request
GHG	Greenhouse Gases
IPCC	Intergovernmental Panel for Climate Change
JMR	Joint Meter Readings
LCS	Local Controller System
MP	Monitoring Period
MR	Monitoring Report
MW	Mega Watt
MWh	MegaWatt hour
OM	Operating Margin
O&M	Operation & Maintenance
PD	Project Description
PP	Project proponent
PPA	Power Purchase Agreement
QA/QC	Quality Assurance/Quality Control
tCO ₂	Tonnes of Carbon Dioxide
UNFCCC	United Nations Framework Convention on Climate Change
VCS	Verified Carbon Standard
VCU	Verified Carbon Unit

APPENDIX III: LIST OF DOCUMENTS

Reference No.	Title of document	Version	Date
1	Monitoring Report (initial) Monitoring Report (final)	1 2	17/05/2024 16/12/2024
2	Emission Reductions Excelsheet (initial) Emission Reductions Excelsheet (final)	1 2	17/05/2024 16/12/2024
3	VCS Project page: https://registry.terra.org/app/projectDetail/VCS/2004		
4	Registered VCS Project Description	2	25/12/2019
5	VCS Validation Report	2	30/12/2019
6	Technical specifications of the project plant		
7	Commissioning certificates of the solar power plant		
8	CDM Methodology: ACM0002: Grid-connected electricity generation from renewable sources	19	
9	VCS Standard	4.7	16/04/2024
10	VCS Program Guide	4.4	29/08/2023
11	Clean Development Mechanism Validation and Verification Standard	3	09/09/2021
12	Grievances Register	-	-
13	Monthly Energy meter reading statement of project for the monitoring period	-	-
14	Invoices for the electricity sold for the monitoring period	-	-
15	Calibration Certificates for electricity meters	-	-
16	Break down details of the complete monitoring period	-	-
17	Declaration regarding no participation in other GHG program for the concerned monitoring period	-	-
18	Louis Boisgibault, Fahad Al Kabbani (2020): Energy Transition in Metropolises, Rural Areas and Deserts. Wiley - ISTE. (Energy series)	-	-
19	Training Records of O&M Staff	-	-
20	Employment Records	-	-
21	Plant photographs	-	-
22	Environment and Social Impact Assessment		

APPENDIX IV: VERIFICATION FINDINGS

Table 1. FAR FROM VALIDATION AND/OR PREVIOUS VERIFICATIONS

FAR ID	XX	SECTION NO.	<i>Insert reference of protocol/report</i>	Date: DD/MM/YYYY
Description of FAR				
N/A				
Project/ Activity participant response			Date: : DD/MM/YYYY	
-				
Documentation provided by project/ Activity participant				
-				
DOE assessment			Date: : DD/MM/YYYY	
-				

Table 2. CL FROM THIS VALIDATION/VERIFICATION

CL ID	CL 01	SECTION NO	4.1	Date: 02/10/2024
Description of CL				
The “number of years” for the validation, 1 st verification, 2 nd verification is not provided in the table under Section 1.1 of the MR. Further the “total” is missing for all the years in this table.				
Project/ Activity participant response		Date: 05/11/2024		
PP has incorporated the number of years with total in section 1.2 of the revised MR.				
Documentation provided by project/ activity participant				
Revised MR				
DOE assessment			Date: 14/11/2024	
The “number of years” for the validation, 1 st verification, 2 nd verification and total is now provided in the table under Section 1.1 of the MR. Hence the comment is closed.				

CL ID	CL 02	SECTION NO	4.3	Date: 02/10/2024
Description of CL				

Please submit the appropriate evidences for checking the electricity generation (EG_{NOOR}) during the monitoring period of the project activity (Section 4.2 of MR).

The vintage details (vintage for year 2022, 2023) for the electricity generation does not look correct (Section 4.2 of MR). Check.

Project/ Activity participant response

Date: 05/11/2024

PP has submitted the invoices for checking the electricity generation (EG_{NOOR}). The dates of the years (2022 & 2023) have been corrected in section 4.2 of the MR

Documentation provided by project/ activity participant

Revised MR and ER sheet

DOE assessment

Date: 14/11/2024

The invoices corresponding to the electricity generation is now submitted. Further the dates for the years (2022 & 2023) have now been corrected in the section 4.2 of MR. Hence the comment is closed.

CL ID	CL 03	SECTION NO	4.4	Date: 02/10/2024
Description of CL				
The calibration certificates applicable to the monitoring period shall be submitted. In case of any non-calibrated readings of electricity generation during the monitoring period, appropriate actions shall be taken in the calculation of emission reductions accordingly. Check.				
The Calibration frequency has not been consistently provided in the MR (Section 4.2). The correct calibration frequency shall be provided along-with appropriate justification.				
Project/ Activity participant response		Date: 05/11/2024		
During the monitoring period calibration is not conducted as per the approved monitoring plan and delay has occurred for different periods for the main and check meters. As per the results mentioned in the latest calibration certificates the error was found within the maximum permissible limits (+/- 0.2%) during the calibration of energy meters. As per VVS PA v 03 para 366 (a) requirement: error factor of "-0.2%" should be applicable for export & +0.2% to the import i.e. the measured values. However, monthly generation reports provide only net electricity generation, the separate export and import values are not available. Hence being conservative and to account for the error for both export & import, a cumulative error of maximum "-0.48%" on net electricity generation has been applied for the entire monitoring period.				
Documentation provided by project/ activity participant				
Revised MR and ER sheet				

DOE assessment	Date: 14/11/2024
The calibration certificates have been submitted, however the delay in the calibration was found and hence the calibration was not conducted as per the approved monitoring plan. The maximum permissible error (0.2%) has been conservatively applied to the net electricity generation, which is found appropriate.	

CL ID	CL 04	SECTION NO	4.3	Date: 02/10/2024
Description of CL				
As per the registered VCS-PD: “Since fossil fuel (diesel) is used for auxiliary processes, project emissions are calculated as follows, in accordance with ACM0002 version”. However as per the Section 5.2 of the MR: “As per the registered VCS PD, the Project emission (PE y) is 0 tCO ₂ e, PEEy=0”				
Please check how the project emissions are taken into account.				
Project/ Activity participant response		Date: 05/11/2024		
PP has not used any fossil fuels during the operation. Hence project emission is zero.				
Documentation provided by project/ activity participant				
-				
DOE assessment			Date: 14/11/2024	
It was confirmed during the site visit that there no consumption of fossil fuels during the monitoring period. There is no project emissions applicable and hence the issue is closed.				

CL ID	CL 05	SECTION NO	4.3	Date: 02/10/2024
Description of CL				
For the year 2023 vintage, no details on the project emissions and leakage emissions are provided (MR: Section 5.4). Check.				
It is mentioned that actual emission reductions are greater than estimated emission reductions, however in actual this does not appear as true. Check emission reductions again.				
Project/ Activity participant response		Date: 05/11/2024		
PP has revised section 5.4 of the MR and corrected the information.				
Documentation provided by project/ activity participant				

-	
DOE assessment	Date: 14/11/2024
The details on the project emissions and Leakage emissions are now provided in the revised MR. Further the comparison between the ex-ante emission reductions and ex-post emission reductions is correctly conducted in the revised MR, which is found correct. Hence the comment is closed.	

Table 3. CAR FROM THIS VALIDATION/VERIFICATION

CAR ID	CAR 01	SECTION NO.	2.2	Date: 02/10/2024
Description of CAR				
The MR has been submitted in the older version of MR template (version 4.2). Clarify why the latest version of MR template available on the VCS website not used for the submission purpose.				
Project/ Activity participant response		Date: 05/11/2024		
PP has submitted the revised MR in latest version V4.4.				
Documentation provided by project/ activity participant				
-				
DOE assessment				Date: 14/11/2024
The MR is now submitted in the latest version of the MR template available on the VERRA website, which is found correct. Hence the comment is closed.				

CAR ID	CAR 02	SECTION NO.	2.2	Date: 02/10/2024
Description of CAR				
The monitoring period is provided as “01-Jan-2020 to 31-Dec-2023” for the 2 nd monitoring period on the cover page of MR. However the monitoring period is “01-Jan-2020 to 31-05-2023” as per the ERs Excelsheet. Similarly different monitoring periods is observed at some of the other sections of the MR. Check and consistent monitoring period be provided in all the documents.				
Project/ Activity participant response		Date: 05/11/2024		
PP has corrected the dates of the monitoring period in the revised excel sheet and the MR.				
Documentation provided by project/ activity participant				
-				
DOE assessment				Date: 14/11/2024
The correct and consistent monitoring period (01-Jan-2020 to 31-Dec-2023) is now provided in the revised MR, which is found appropriate. Hence the comment is closed.				

CAR ID	CAR 03	SECTION NO.	3.1	Date: 02/10/2024
Description of CAR				
The version 19 of the applied methodology (ACM0002) is indicated in Section 1.2, however version 20 of applied methodology (ACM0002) is used in Section 1.8 of MR. Consistent version of the methodology to be used in the MR. Check.				
Project/ Activity participant response		Date: 05/11/2024		
PP has corrected the version of ACM0002 in the revised MR to version 19.				
Documentation provided by project/ activity participant				
-				
DOE assessment				Date: 14/11/2024
The correct and consistent version 19 of ACM0002 is now applied in the revised MR, which is found appropriate. Hence the comment is closed.				

CAR ID	CAR 04	SECTION NO.	2.2	Date: 02/10/2024
Description of CAR				
The following project location provided in the MR (Section 1.7) is not clear: https://www.google.com/maps/place/31%C2%B002'06.3%22N+6%C2%B052'08.3%22W/@31.0350861,6.871172,17z/data=!3m1!4b1!4m5!3m4!1s0x0:0x4666c83c795692a2!8m2!3d31.0350861!4d-6.8689833 Check.				
Project/ Activity participant response		Date: 05/11/2024		
PP has deleted the above information from the MR as it was a typo error.				
Documentation provided by project/ activity participant				
-				
DOE assessment				Date: 14/11/2024
The typo error is now corrected in the revised MR. Hence the comment is closed.				

CAR ID	CAR 05	SECTION NO.	2.2	Date: 02/10/2024
Description of CAR				
The reference of “Vietnam” country is provided in the Table 1 (Section 1.11), which is not clear. Further the end of monitoring period is not consistent with other sections of MR.				
Project/ Activity participant response		Date: 05/11/2024		
PP has corrected the country name to Morocco in section 1.11 of the MR.				
Documentation provided by project/ activity participant				
-				
DOE assessment				Date: 14/11/2024
The reference of “Vietnam” country is now removed from the MR. The end of monitoring period is now consistently provided in the revised MR. Hence the comment is closed.				

Table 4. FAR FROM THIS VERIFICATION

FAR ID	FAR 01	SECTION NO.	<i>Insert reference of protocol</i>	Date: DD/MM/YYYY
Description of FAR				
N/A				
Project participant response				Date: DD/MM/YYYY
N/A				
Documentation provided by project/ activity participant				
N/A				
DOE assessment				Date: DD/MM/YYYY
N/A				

APPENDIX IV: COMPETENCY OF TEAM MEMBERS AND TECHNICAL REVIEWERS

Certificate of Competence

Personnel Name	Mr. Rohit Badaya				
Schemes	☒ CDM	☒ GCC	☒ GS	☒ VCS	☐ Other GHG Schemes (mention here)
Qualified to work as					
Team Leader	☒	Technical Expert	☒		
Validator/Verifier	☒	Financial Expert	☒		
Technical Reviewer	☒	Local Expert (India)	☒		
Area(s) of Technical Expertise					
Sectoral Scope		Technical Area			
SS 01: Energy industries (renewable/non-renewable sources)		TA 1.1: Thermal energy generation from fossil fuels and biomass including thermal electricity from solar			
		TA 1.2: Energy generation from renewable energy sources			
SS 3: Energy demand		TA 3.1. Energy Demand			
SS 13: Waste handling and disposal		TA 13.1 Waste Handling and Disposal			
		TA 13.2 Manure			
Approved by (Manager Competence & Training)		Manager C & T			
Approval date		16-10-2017			

Certificate of Competence

Personnel Name	Mr. JAOUAD AIT RABEH				
Schemes	☐ CDM	☐ GCC	☐ GS	☐ VCS	☐ Other GHG Schemes ()
Qualified to work as					
Team Leader	☐	Technical Expert	☒		
Validator/Verifier	☐	Financial Expert	☐		
Technical Reviewer	☐	Local Expert (Morocco)	☒		
Area(s) of Technical Expertise					
Sectoral Scope			Technical Area		
SS 1: Energy industries (renewable/non-renewable sources)			TA 1.2. Renewables		
Approved by (Manager Competence & Training)			Mr. Dushyant Parashar		
Approval date			14/06/2024		

Certificate of Competence

Personnel Name		Mr. Anil Kumar Gond			
Schemes	☒ CDM	☒ GCC	☐ GS	☒ VCS	☒ Other GHG Schemes (ISO 14064, Cercarbono)
Qualified to work as					
Team Leader			☐	Technical Expert	
Validator/Verifier			☒	Financial Expert	
Technical Reviewer			☐	Local Expert (India)	
Area(s) of Technical Expertise					
Sectoral Scope			Technical Area		
SS 1: Energy industries (renewable/non-renewable sources)			TA 1.2. Renewables		
Approved by (Manager Competence & Training)			Dushyant Parashar		
Approval date			28/10/2024		

Certificate of Competence

Personnel Name		Mr. Ashish Yadav			
Schemes	☒ CDM	☒ GCC	☒ GS	☒ VCS	☒ Other GHG Schemes (Cercarbono, SDvista, VCS CCB)
Qualified to work as					
Team Leader			☒	Technical Expert	☒
Validator/Verifier			☒	Financial Expert	☐
Technical Reviewer			☒	Local Expert (India)	☒
Area(s) of Technical Expertise					
Sectoral Scope			Technical Area		
SS: 1 Energy Industries (Renewable/non-renewable)			TA 1.2. Renewables		
SS: 3 Energy demand			TA 3.1 Energy demand		
SS 13: Waste handling and disposal			TA 13.1. Solid waste and wastewater		
Approved by (Manager C&T)			Mr. Dushyant Parashar		
Approval date			28-10-2024		