

Gold Standard for Global Goals (GS4GG)

Validation Report Renewal of 2nd Crediting Period

GS-CDM

“72 MWAC KAMUTHI RENEWABLE ENERGY PROJECT”

PROJECT ID: GS7079



Report No.: ET-006673

1 April 2025

TÜV SÜD South Asia Pvt. Ltd.
Solitaire, I.T.I. Road, Aundh
Pune, 411007
INDIA

Title of the project activity	72 MWac Kamuthi Renewable Energy Project
GS Reference number of the project activity	GS7079
Version number of the validation report	3.0
Completion date of the validation report	01/04/2025
Version number of PDD to which this report applies	3.0
Project developer(s)	Kamuthi Renewable Energy Limited
Host Party	India
Sectoral scope(s)	01: Energy industries (renewable - / non-renewable sources)
Methodology (ies)	ACM0002: Grid-connected electricity generation from renewable sources (Version 21.0)
Estimated amount of annual average GHG emission reductions or GHG removals by sinks in the next crediting period	2 nd Crediting Period: 106,873 tCO ₂ e
Name of VVB	TÜV SÜD SOUTH ASIA PVT. LTD.
Name and position of the approver of the validation report	Deepankar Chowdhury Head - Quality Assurance Certification Body, (Environment & Energy) TÜV SÜD South Asia Pvt. Ltd.

Contents

1	METHODOLOGY.....	4
1.1	Objective.....	4
1.2	Scope	4
1.3	Validation Process	5
1.4	Appointment of the Team	5
1.5	Review of Documents	7
1.6	On-site Assessment and follow-up Interviews.....	7
1.7	Resolution of Clarification, Corrective Action and Forward Action Requests.....	8
1.8	Internal Quality Control	8
2	CARBON VALIDATION AND REPORTING	9
2.1	FARs from Validation / Previous Validation	9
2.2	CLs, CARs and FARs raised.....	9
2.3	Compliance with PDD form	10
2.4	Application and selection of methodologies and standardized baselines.....	11
2.5	Validity of Original baseline and updates.....	17
2.6	Financial check	19
2.7	Estimated emission reductions or net anthropogenic removals.....	19
2.8	Validity of monitoring plan	23
2.9	Crediting period.....	25
2.10	Project developer	25
3	SUSTAINABILITY VALIDATION	26
3.1	Assessment of SDG outcomes.....	26
4	VALIDATION OPINION.....	26
	APPENDIX [1]: Clarification Requests, Corrective Action Requests and Forward Action Requests.....	28
	APPENDIX [2]: List of Documents Reviewed	43
	APPENDIX [3]: Appointment Certificates and Brief CVs of Team Members	44

1 METHODOLOGY

1.1 Objective

TÜV SÜD had been commissioned by the aforementioned client 'Kamuthi Renewable Energy Limited' to conduct an independent renewal of design certification for 2nd crediting period of CDM-GS Project with GS ID 7079 titled as "72 MWac Kamuthi Renewable Energy Project".

The objective of design certification renewal is to conduct an independent evaluation of the updated Project Design Document (PDD) ¹ against the compliance requirements as per GS4GG standard guideline to confirm whether original project baseline is still valid or has been updated by PD taking into account of new criteria in host country. In particular, the project's baseline, monitoring plan, additionality and the project's compliance with relevant GS and UNFCCC requirements to confirm the correctness of the application of the approved baseline methodologies for the determination of the continued validity of the baseline/or its update, and estimation of the emission reductions for the applicable crediting period. The validation scope is to review the updated Project Design Document (PDD) against the GS VVS V1 (Gold Standard, Validation and Verification Standard, Version 1) as well as CDM VVS PA V3.0 (Clean Development Mechanism, Validation and Verification Standard for Project Activity, Version 3.0) where applicable.

1.2 Scope

The scope of any validation process is defined by the underlying legislation, regulation and guidance provided by relevant entities or authorities for the purpose of assessment GS project activity by VVB for which stepwise procedure is laid out below:

- Validation of Renewal of Crediting period in accordance with the GS4GG requirements
- Validation of Renewal of Crediting period in accordance with Clean Development Mechanism Validation and Validation Standard (VVS) for Project Activities v3.0 if project is transitioned from CDM to GS.
- Validity of Baselines scenario, Applied methodology, Monitoring Plan and Estimation of GHG emission reductions/removals
- Identification and Mitigation of Environmental or/and Social risk which may arise as a result of Environmental Impact Assessment as per GS rules
- Evaluation of Stakeholder consultation and feedback
- Evaluation of alignment with Safeguarding Principle requirements as per GS rules

The validation process is not meant to provide any form of consultancy to the Project Developer (PD). As per standard guideline for VVB clarifications, corrective actions, and/or forward actions are generated raised as per of validation or/and verification process. The Validation shall

¹ <https://registry.goldstandard.org/projects/details/1426>

commence only after the project documents are listed on the GSF registry. Once, VVB receives the listed documents i.e., Approved Transition Request Form (only of CDM-GS projects) and status of renewal of previous crediting period made available on the GSF Registry, a dedicated interface on the Gold standard website only then, the audit process for renewal of crediting period is initiated as per GS rules.

1.3 Validation Process

The information provided by the PD is assessed by applying the means of validation specified in GS VVS V1 (Gold Standard, Validation and Verification Standard, Version 1) as well as CDM VVS PA V3.0 (Clean Development Mechanism, Validation and Verification Standard for Project Activity, Version 3.0) wherever applicable.

A competent assessment team for purpose of validation is selected prior to the start audit process. The qualified Validation Team is compassed for specific technical area(s), sectoral scope(s) and relevant host country experience in order to successfully carrying out the validation of this GS project activity. Additionally, a competent Technical Reviewer or Technical Reviewer Team is appointed to ensure quality of technical reporting by Validation Team and a Quality Management Team is selected as per quality control procedure.

The Validation Team conducts the desk review, followed by on-site/remote assessment as per standard auditing techniques which results into formation of Draft Validation Report. The next step involves the resolution of the findings through direct communication with the PPs and then finally the preparation of Final Validation Report. Final Validation Report, PDD and other documents are submitted for technical review following the quality control by the Quality Manger of Certification Body (“Environment and energy”) at VVB before final submission to the GS for review.

1.4 Appointment of the Team

VVB has composed the Validation Team in accordance with the appointment rules of the TÜV SÜD Certification Body “Environment and Energy” where competency of selected team members is evaluated based their expertise in relevant Sectoral Scope/Technical Area and familiarity as well as working/audit experience in the host county.

The composition of a Validation Team has to be approved by the Certification Body (CB) to assure that the required skills are obtained by respective team. The Certification Body (CB) of TÜV SÜD has selected qualification level given below for selected team members which are assigned by formal appointment rules:

- Team Leader (TL)
- Validator
- Technical Experts (TE)

- Host Country expert (CE)
- Trainee Validator
- Technical Reviewer (TR)
- Approver

Team Leader is qualified in the sectoral scope(s) and the technical area(s) (TA) linked to the applied methodology (s) this project activity as per GS requirement for VVB. Appointment certificates of the selected team members are attached provided in APPENDIX [3] for the reference.

Validation Team members selected by Certification Body of VVB

S.N.	Role	Type of resource	Last name	First name	Affiliation (e.g. name of central or other office of VVB or outsourced entity)	Involvement in			
						Desk review	On-site inspection	Interview(s)	Validation findings
1.	Team Leader Technical Expert/Host Country Expert	IR	Kudtarkar	Shruti ²	TÜV SÜD South Asia Private Limited (TÜV SÜD)	√	x	√	√
2.	Validator	IR	Vyas	Arjun ³	TÜV SÜD South Asia Private Limited (TÜV SÜD)	√	x	√	√
3.	Trainee Validator	IR	Chauhan	Ankita ⁴	TÜV SÜD South Asia Private Limited (TÜV SÜD)	√	x	√	√
4	Team Leader TechnicalExpert/ Host country Expert	IR	Raychoudhury	Rishi	TÜV SÜD South Asia Pvt. Ltd (TÜV SÜD)	x	x	x	√
5	Validator	IR	Basak	Deepjyoti	TÜV SÜD South Asia Pvt. Ltd (TÜV SÜD)	x	x	x	√

Technical Reviewer and Approver selected by Certification Body of VVB

S. N.	Role	Type of resource	Last name	First name	Affiliation (e.g. name of central or other office of VVB or outsourced entity)
-------	------	------------------	-----------	------------	--

² Worked till 30/06/2024

³ Worked till 30/10/2024

⁴ Worked till 30/01/2024

1.	Technical Reviewer	EI	SURESH PATANKAR	SANJAY	TÜV SÜD South Asia Private Limited (TÜV SÜD)
2	Approver	IR	Chowdhury	Deepankar	TÜV SÜD South Asia Private Limited (TÜV SÜD)

1.5 Review of Documents

Based on the initial submitted GS-PDD, the Validation Team has performed a desk review to:

- Verify the completeness of the data and the information presented in the GS-PDD.
- Review the validity of the baseline with respect to the current national /sectoral policies, ongoing financial additionality, applicability of the methodology and contribution toward sustainable development goal, as per selection.
- Evaluate the validity of monitoring plan as well its elements for data monitoring, archiving and aggregation as per quality assurance and quality control system/procedures in the context of their influence on the generation and reporting of emission reductions.

A complete list is provided in APPENDIX [2] for reference purpose of all documents reviewed by Validation Team.

1.6 On-site Assessment and follow-up Interviews

Validation Team has conducted the remote assessment as per the standard auditing technique of GS guideline. Also, representative personals were interviewed as per part of validation process on 04/10/2023. Validation Team had interacted has also interacted with stakeholders which might be impacted by the project activity implementation and operation. The project implementation, operation, occupation safety status, advantages or/and disadvantages as result of project activity implementation and operation, any problems faced by stakeholders were discussed during remote assessment. During the interaction with local stakeholder the validation team found that PD informed them about environmental impact, jobs and other aspects. Its was also found that the stakeholders don't have any significant role in the operation of project activity.

Interviews

S.N.	Interviewee			Date	Subject	Team member
	Last name	First name	Affiliation			
1.	Pathak	Deepak	Deputy Manager at Kamuthi Renewable Energy Limited	04/10/2023	Updated PDD, Applied methodology, validity Base-	Shruti Kudtarkar, Arjun Vyas, Ankita

					line, and Additionality, OFN status,	Chauhan
2	P	Elavarasan	Associate manager at Kamuthi Renewable Energy Limited	04/10/2023	Monitoring plan, Estimated ER calculations, Feedback from	Shruti Kudtarkar, Arjun Vyas, Ankita Chauhan
3	Singh	Subham	Local Stakeholder at Kamuthi Renewable Energy Limited	04/10/2023	stakeholders, Environmenta l Impact and mitigation plan	Shruti Kudtarkar, Arjun Vyas, Ankita Chauhan

1.7 Resolution of Clarification, Corrective Action and Forward Action Requests

Validation Team has generated Clarification Request (CL), Corrective Action Request (CAR) and Forward Action Request (FAR) in accordance with the validation and verification standard. Total 10 CLs, 14 CARs and 00 FAR were identified during the validation process same were - successfully addressed and resolved hence, all the findings are “closed out” by Validation Team. To ensure the transparency of resolution of findings, detailed description is provided in APPENDIX [1] for reference purpose.

1.8 Internal Quality Control

Validation Team submits Draft Validation Report Technical Review Team following Quality Management Team at Certification Body at TÜV SÜD for the purpose of review as part of internal quality control/assurance procedure.

Technical Reviewer(s) provide its conclusion upon Updated PDD and Draft Validation Report once it is closed successfully then only final submission to the GSF registry is to be initiated. Technical Reviewer Team’s competency to conduct the technical quality checking is provided in APPENDIX [3] for reference purpose. Once Technical Review process is successfully completed, final set of documentation may undergo through the final quality review of reporting by Validation Team, to be performed by the TÜV SÜD’s Quality Manager/Approver.

After successfully completion of technical and administrative quality control as well as assurance process, the final set of documents are prepared, reviewed and approved by the relevant authority by Certification Body’s in accordance with the GS rules and requirements. Once the final set of documents associated with validation of project activity are approved, a request for issuance is submitted to the Gold Standard along with, the relevant Forms/Letters.

2 CARBON VALIDATION AND REPORTING

The project activity implemented by Kamuthi Renewable Energy Limited. Which involves the installation of solar power plant at Village: O. Karisalkulam, Tehsil: Kamuthi, District: Ramanthpuram, State: Tamil Nadu, India having total capacity of 72 MWAC (86.40 MWp) cumulatively. The power plant is supplying electricity to Tamil Nadu Generation and Distribution Corporation Limited (TANGEDCO) (to regional grid in India). The estimated net annual power supply to the grid is 114,794 MWh during the 2nd crediting period (09/11/2023 to 08/11/2028). This project was registered in CDM on 04/08/2020⁵ (CDM Ref number: 10581) and later registered in GS4GG where GS design certification date is 09/11/2020⁶. The Transition from GSCER to GSVER on 28/04/2022.

As communicated by PD (s), aim of the project activity is to this project activity is to generate clean form of electricity through renewable solar energy source for sale of electricity to the grid. Kamuthi Renewable Energy Limited is the promoter of the proposed project activity. Project Activity is expected to reduce GHG emission reductions of 106,873 tCO₂e (annually therefore achieving the estimated GHG emission reduction of 534,368 tCO₂e during the total length of 2nd crediting period (09/11/2023 to 08/11/2028). Validation team has also assessed various carbon mechanism such as CDM, VERRA and GCC and found that the project activity is not claiming any carbon benefits from any other mechanisms for the same crediting period.

Validation Team has assessed the updates in PDD with respect calculation and estimation of GHG emission reduction as per the requirement of latest version of applied methodology ACM0002, Version 21.0, same is crosschecked with relevant source of information while identifying the valid objective evidence in accordance with Validation and Verification Standard (CDM or/and GS, as applicable). Validation Team has incorporated means of validation in its audit process to review and evaluate the updated PDD. In order to assessed results in PDD and furthermore, to conclude the assessment process Validation Team has performed the audit in accordance with the GS rules and regulation for design certification renewal of 2nd crediting period for GS project activity titled as “72 MWac Kamuthi Renewable Energy Project”.

2.1 FARs from Validation / Previous Validation

Previously FAR 01 exist for this project which is registered under CDM with reference ID 10581 to be addressed during first verification and FAR 01, 02 and 03 as result of performance review for monitoring period 09/11/2018 to 31/12/2020 same are addressed by Validation Team. Also, Validation Team has not identified any FAR during desk review which is to be addressed during design certification of 2nd crediting period as per GS rules.

2.2 CLs, CARs and FARs raised

⁵ <https://cdm.unfccc.int/Projects/DB/Appendix1595357498.47/view>

⁶ <https://assurance-platform.goldstandard.org/project-documents/GS7079>

Area of validation findings	No. of CL	No. of CAR	No. of FAR
Compliance with PDD form	01	01	00
Application and selection of methodologies and standardized baselines	00	00	00
Validity of original baseline or its update	00	00	00
Financial check	00	00	00
Estimated emission reductions or net anthropogenic removals	00	01	00
Validity of monitoring plan	02	02	00
Crediting period	00	00	00
Project developer	00	00	00
Sustainability opinion	02	02	00
Others (Registration in CDM, Emission Trading, Stakeholder engagement, photos of equipment, start date, PDD version, Focal point name, location, eligibility in GS, project boundary, commissioning date)	05	08	00
Total	10	14	00

2.3 Compliance with PDD form

Means of validation	Assessment of updated PDD completeness against the latest and valid version of the applicable PDD form as per GS requirement, following the instructions therein. Assessment of material consistency of information transferred to the later version of the PDD form with respect to registered PDD.
Findings	Validation Team has assessed the completeness of information in each section of PDD and has reviewed the appropriateness, relevance and accuracy of information against the required version of applicable PDD forms with respect to materialistic information transfer from latest validated PDD Version 7 (dated on 18/12/2020). Thereafter, Validation Team has raised CL01 and CAR 09 same are successfully closed (kindly refer to APPENDIX [1])
Conclusion	Validation Team confirms that updated PDD contain all the information from previously registered PDD without any material

	misstatement using the latest available PDD template on GS official webpage.
--	--

2.4 Application and selection of methodologies and standardized baselines

Means of validation	Assessment of methodologies and, where applicable, the standardized baselines and the other methodological regulatory documents against the applicable requirements of GS VVS V1 (Gold Standard, Validation and Verification Standard, Version 1) as well as CDM VVS PA V3.0 (Clean Development Mechanism, Validation and Verification Standard for Project Activity, Version 3.0).
Findings	Validation Team has assessed the applicability of methodology, tools and other methodological regulatory documents, it has assessed whether the latest version of applicable methodology, tools are used, and all the additional/previously existing requirements are addressed and criteria are met. Details of selected latest of applied methodology for project activity titled as “72 MWac Kamuthi Renewable Energy Project” for 2nd crediting period is below: Methodology: ACM0002, Grid-connected electricity generation from renewable sources (Version 21.0) ⁷ Type I: Renewable Energy Projects (Large) Methodological Tools: ▪ Tool to calculate the emission factor for an electricity system (TOOL 07, Version 07) ⁸ ▪ Tool for the demonstration and assessment of additionality (TOOL 01, Version 07) ⁹ ▪ Assessment of the validity of the original/current baseline and update of the baseline at the renewal of the crediting period (TOOL 11, Version 03) ¹⁰

⁷ <https://cdm.unfccc.int/methodologies/DB/HF3LP6O41YY0JIP1DK6ZRJO9RSCX3S>

⁸ <https://cdm.unfccc.int/methodologies/PAmethodologies/tools/am-tool-07-v7.0.pdf>

⁹ <https://cdm.unfccc.int/methodologies/PAmethodologies/tools/am-tool-01-v7.0.0.pdf>

¹⁰ <https://cdm.unfccc.int/methodologies/PAmethodologies/tools/am-tool-11-v3.0.1.pdf>

	S. N.	Applicability Conditions as per ACM0002, Version 21	Assessment of Project Verification Team
	1	This methodology is applicable to grid-connected renewable energy power generation project activities that: (a) Install a Greenfield power plant; (b) Involve a capacity addition to (an) existing plant(s); (c) Involve a retrofit of (an) existing operating plants/units; (d) Involve a rehabilitation of (an) existing plant(s)/unit(s); or (e) Involve a replacement of (an) existing plant(s)/unit(s).	Validation has assessed that proposed project activity falls under category (a) as there was not project activity existed operating before that start of this project activity. Hence, it concludes that applicability condition is met by proposed project activity.
	2	In case the project activity involves the integration of a BESS, the methodology is applicable to grid-connected renewable energy power generation project activities that: (a) Integrate BESS with a Greenfield power plant; (b) Integrate a BESS together with implementing a capacity addition to (an) existing solar photovoltaic or wind power plant(s)/unit(s); (c) Integrate a BESS to (an) existing solar photovoltaic or wind power plant(s)/unit(s) without implementing any other	Validation has assessed that proposed project activity does not involve any battery storage system. Hence, it concludes that applicability condition is met by proposed project activity.

		changes to the existing plant(s); (d) Integrate a BESS together with implementing a retrofit of (an) existing solar photovoltaic or wind power plant(s)/unit(s).	
	3	The methodology is applicable under the following conditions: (a) The project activity may include renewable energy power plant/unit of one of the following types: hydro power plant/unit with or without reservoir, Wind power plant/unit, Geothermal power plant/unit, Solar power plant/unit, Wave power plant/unit or Tidal power plant/unit (b) In the case of capacity additions, retrofits, rehabilitations or replacements (except for wind, solar, wave or tidal power capacity addition projects) the existing plant/unit started commercial operation prior to the start of a minimum historical reference period of five years, used for the calculation of baseline emissions and defined in the baseline emission section, and no capacity expansion, retrofit, or rehabilitation of the plant/unit has been undertaken between the start of this minimum historical	(a) Validation Team has assessed that proposed project activity is not including hydropower technology hence it concluded that the applicability condition is not applicable (b) Validation Team has assessed that proposed project activity involves installation of greenfield power plant utilizes solar power technology. Hence, it concludes that applicability condition is not applicable to proposed project activity.

		reference period and the implementation of the project activity.	
	4	In case of hydro power plants, one of the following conditions shall apply: (a) The project activity is implemented in existing single or multiple reservoirs, with no change in the volume of any of the reservoirs; or (b) The project activity is implemented in existing single or multiple reservoirs, where the volume of the reservoir(s) is increased and the power density of the project activity, as per definitions given in the Project Emissions section, is greater than 4 W/m² ; or (c) The project activity results in new single or multiple reservoirs and the power density of the project activity, as per definitions given in the Project Emissions section, is greater than 4 W/m² ; or (d) The project activity is an integrated hydro power project involving multiple reservoirs, where the power density for any of the reservoirs, as per definitions given in the Project Emissions section, is lower than or equal to 4 W/m², all of the following conditions shall apply. (i) The power density calculated using the total installed capacity of the integrated project, as per	Validation Team has assessed that proposed project activity does not involve hydropower. Hence, it concludes that applicability condition is not relevant to proposed project activity as it consists of solar power generation technology.

		definitions given in the Project Emissions section, is greater than 4 W/m² ; (ii) Water flow between reservoirs is not used by any other hydropower unit which is not a part of the project activity. (iii) Installed capacity of the power plant(s) with power density lower than or equal to 4 W/m² shall be a. Lower than or equal to 15 MW; and b. Less than 10 per cent of the total installed capacity of integrated hydro power project.	
	5	In the case of integrated hydro power projects, project owner shall: (a) Demonstrate that water flow from upstream power plants/units spill directly to the downstream reservoir and that collectively constitute to the generation capacity of the integrated hydro power project; or (b) Provide an analysis of the water balance covering the water fed to power units, with all possible combinations of reservoirs and without the construction of reservoirs. The purpose of water balance is to demonstrate the requirement of specific combination of reservoirs constructed under CDM project activity for the optimization of power output.	Validation Team has assessed that the project activity is not a hydropower project activity. Hence, it concludes that applicability condition is not relevant to proposed project activity.

		This demonstration has to be carried out in the specific scenario of water availability in different seasons to optimize the water flow at the inlet of power units. Therefore, this water balance will take into account seasonal flows from river, tributaries (if any), and rainfall for minimum of five years prior to the implementation of the CDM project activity.	
	6	The methodology is not applicable to: (a) Project activities that involve switching from fossil fuels to renewable energy sources at the site of the project activity, since in this case the baseline may be the continued use of fossil fuels at the site; (b) Biomass fired power plants/units	Validation Team has assessed that proposed project activity neither switching of fossil fuel to renewable energy nor it involves Biomass fired power plant. Hence, it concludes that applicability condition is not applicable to proposed project activity.
	7	In the case of retrofits, replacements, or capacity additions, this methodology is only applicable if the most plausible baseline scenario, as a result of the identification of baseline scenario, is “the continuation of the current situation, i.e., to use the power generation equipment that was already in use prior to the implementation of the project activity and undertaking business as usual maintenance”.	Project Verification has assessed that proposed project activity does not involve retrofits, replacements or capacity additions. Hence, it concludes that applicability condition is not applicable to proposed project activity.

	8.	In addition, the applicability conditions included in the tools referred to below apply.	Tools are listed by PD which are validated by Validation team refer to above list of tools for the same.
Conclusion	Validation Team concludes that PD has applied latest version of methodology, methodological tools, applicability criteria and other methodological regulatory documents against the applicable requirements of GS VVS V1 (Gold Standard, Validation and Verification Standard, Version 1) as well as CDM VVS PA V3.0 (Clean Development Mechanism, Validation and Verification Standard for Project Activity, Version 3.0).		

2.5 Validity of Original baseline and updates

Means of validation	Assessment of any change of baseline with respect to baseline provide in registered PDD, against the requirement of applicable methodology. If an updated version of methodology has any additional criteria for baseline selection, then to assess whether the project activity complies with requirement of all additional criteria of applicable methodology as per requirements of GS VVS V1 (Gold Standard, Validation and Verification Standard, Version 1) as well as CDM VVS PA V3.0 (Clean Development Mechanism, Validation and Verification Standard for Project Activity, Version 3.0). Conclusion of stepwise assessment in accordance with the applicability of TOOL 11 Version 03.0.1, "Assessment of the validity of the original/current baseline and update of the baseline at the renewal of the crediting period" is provided below Step 1: Assess the validity of the current baseline for the next crediting period ▪ Step 1.1: Assess compliance of the current baseline with relevant mandatory national and/or sectoral policies- Validation Team has assessed that project activity complies with the with all relevant mandatory national and/or sectoral policies as per examination of current practice in the Tamil Nadu region (India) ▪ Step 1.2: Assess the impact of circumstances- Validation team has not identified any cause of change in investment or/amd market characteristics which could affect the validity
----------------------------	--

	of baseline scenario in current circumstance for this project hence, the previous baseline scenario is still valid. - Step 1.3: Step 1.3: Assess whether the continuation of use of current baseline equipment(s) or an investment is the most likely scenario for the crediting period for which renewal is requested- Validation Team has identified that this sub-step is not applicable as proposed one is a greenfield project activity and it had no continuation of any pre-installed equipment or any equipment which is having end of technical lifetime before or/and on expiration of first crediting period. - Step 1.4: Assessment of the validity of the data and parameters- Validation Team has assessed that default IPCC values are still valid for this project activity also no change is identified in the data and parameters which were listed at registration stage. Step 2: Update the current baseline and the data and parameters - Step 2.1: Update the current baseline- Validation Team has assessed that PD has updated the current baseline emission in accordance with the latest applied methodology ACM0002, Version 21 while complying with procedural requirement of sectoral policies and circumstances that are applicable for this request for renewal of the 2nd crediting period. - Step 2.2: Update the data and parameters-Validation Team has assessed that PD has updated the combined margin Emission Factor in accordance with the applied methodology ACM0002 Version 21 following Tool 07, Version 07 (as per applicability of CO2 Emission Database, Version 18.0, September 2022 published by Central Electricity Authority (CEA), Government of India). Conclusion of the calculation for combined margin Emission Factor is provided in section 2.7 of this document, kindly refer to the same.
Findings	Validation Team has not raised any findings.
Conclusion	Validation Team ensures that there on no changes found in baseline and all the applicability criteria of methodology, methodological tools (TOOL 11, Version 03) as per requirements of GS VVS V1 (Gold Standard, Validation and Verification Standard, Version 1) as well as

	CDM VVS PA V3.0 (Clean Development Mechanism, Validation and Verification Standard for Project Activity, Version 3.0).
--	--

2.6 Financial check

Means of validation	Assessment of Carbon Revenue investment in particular project activity against the requirement of GS VVS V1 (Gold Standard, Validation and Verification Standard, Version 1) as well as CDM VVS PA V3.0 (Clean Development Mechanism, Validation and Verification Standard for Project Activity, Version 3.0).
Findings	Validation Team has not raised any finding.
Conclusion	Validation Team has assessed and concludes that proposed project activity contributes economic growth through employment creation, improvement working conditions and emission reduction. Project activity has resulted in employment generation of 20 personnels which are paid/ higher than annual average per capita income as “Minimum Wages Act, 1948”. Validation Team has assessed the carbon revenue generation information by PD which does not have any significant influence on financial figure as declared by PD it remains approximately 0.75% same is validated by evaluating the project cash flow in OFN sheet where the revenue from carbon credits and cost of project validation and verification costs are considered. Also, PD has already demonstrated in additionality assessment thus proved to be additional in CDM/GS in order to seek carbon credit revenue for financial viability to sustain throughout the project lifetime.

2.7 Estimated emission reductions or net anthropogenic removals

Means of Validation	Assessment of calculation process for Estimated emission reductions or net anthropogenic removals following source of information and applied values for respective parameters are against the requirement of applied methodological, tools and methodological regulatory documents.
Findings	Validation Team has assessed Project calculations of baseline, project and leakage emissions as well as GHG emission reductions resulting from the proposed Project Activity for each year of the 2 nd crediting period, to evaluate if data and parameters are calculated in accordance with the applied methodology. Validation Team has assessed PP’s justification for selection of scenarios, options or default values for

various parameters while estimating the emission reductions of the project.

Baseline Emissions are calculated by PD as below:

As per ACM002, Version 21-

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

Where,

BE_y : Baseline emissions in year y (t CO₂)

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

$EF_{grid,CM,y}$: 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)

$EG_{facility,y}$: Quantity of net electricity generation supplied by the project plant/unit to the grid in year y (MWh/yr)

$$\begin{aligned} EF_y &= EF_{grid,CM,y} = EF_{grid,OM,y} \times W_{OM} + EF_{grid,BM,y} \times W_{BM} \\ &= 0.9518 \times 0.75 + 0.8687 \times 0.25 \\ &= 0.9310 \text{ tCO}_2/\text{MWh} \end{aligned}$$

$EG_{facility,y} = EG_{PJ,y} = 114,794 \text{ MWh}$ (estimated at renewal of 2nd crediting period stage)

Parameter Fixed	Description of Parameter	Unit	Value Applied	Conclusion of VVB
$EF_{grid,OM,y}$	Operating Margin CO ₂ emission factor in year y	tCO ₂ e /MWh	0.9518	Determined by CEA database, Version 18.0 (09/2022) in accordance with CDM TOOL07 for vintage last 3 years (2019-20, 2020-21 and 2021-22) by PD
$EF_{grid,BM,y}$	Build Margin CO ₂ emission factor in year y	tCO ₂ e /MWh	0.8687	Determined by CEA database, Version 18.0 (09/2022) in accordance with CDM TOOL07 by PD
$EF_{grid,CM,y}$	Combined Margin CO ₂ emission factor in year y	tCO ₂ e /MWh	0.9310	Calculated in accordance with CDM TOOL07 where weightage of operating margin as 75% and build margin 25% is considered by PD

$$\begin{aligned} BE_y &= 114,794 \text{ MWh} \times 0.9310 \text{ tCO}_2/\text{MWh} \\ &= 106,873 \text{ tCO}_2 \end{aligned}$$

Project Emissions are calculated by PD as below:

As per ACM002, Version 21

$PE_y = 0$ (Project activity does not involve fossil fuel consumption, energy generation from geothermal power plants/ water reservoirs of hydro power plants/ charging of a BESS using electricity from the grid or from fossil fuel electricity generators)

PE_y : Project emissions in year y (t CO₂e/yr)

Leakage Emissions calculated by PD:

Validation Team has assessed that as per the requirement of ACM002 Version 21, no emissions arising due to absence of activities such as power plant construction and upstream emissions from fossil fuel use (e.g. extraction, processing, and transport). Since the emissions sources are small, hence, leakage emissions are neglected.

Validation Team has assessed and conforms that PD has followed for approach for quantification of GHG emission reductions and removal in line with applied methodology ACM002 Version 21.

$$ER_y = BE_y - PE_y - LE_y$$

Where,

ER_y : Emission reductions in year y (t CO₂/y)

BE_y : Baseline Emissions in year y (t CO₂/y)

PE_y : Project emissions in year y (t CO₂/y)

LE_y : Leakage emissions in year y (t CO₂/y)

$$ER_y = BE_y - PE_y - LE_y$$

$$= 106,873 \text{ tCO}_2\text{-0-0}$$

$$= 106,873 \text{ tCO}_2\text{e}$$

Conclusion	Validation Team ensures that Estimated emission reductions or net anthropogenic removals are calculated as per the calculation approach of applied methodology ACM0002, Version 21.0 and methodological tools. Validation Team ensures that summary of estimated GHG emission reductions or net anthropogenic GHG removals using the applied methodology as per requirement of project standard for this project activity titled as “72 MWac Kamuthi Renewable Energy Project” where annual GHG emission reductions are 534,368 tCO₂e for the 2nd crediting period from 09/11/2023 to 08/11/2028 is materially accurate. <table> <tr> <td><i>Bassline Emissions</i></td><td>106,873 tCO₂e</td></tr> <tr> <td><i>Project Emissions</i></td><td>0</td></tr> <tr> <td><i>Leakage Emissions</i></td><td>0 tCO₂e</td></tr> <tr> <td><i>Annual Estimated Emission</i></td><td>106,873 tCO₂e</td></tr> <tr> <td><i>Reductions</i></td><td></td></tr> <tr> <td><i>Total Estimated</i></td><td>534,368 tCO₂e</td></tr> <tr> <td><i>Emission Reductions</i></td><td></td></tr> <tr> <td><i>(09/11/2023 to 08/11/2028)</i></td><td></td></tr> </table>	<i>Bassline Emissions</i>	106,873 tCO ₂ e	<i>Project Emissions</i>	0	<i>Leakage Emissions</i>	0 tCO ₂ e	<i>Annual Estimated Emission</i>	106,873 tCO ₂ e	<i>Reductions</i>		<i>Total Estimated</i>	534,368 tCO ₂ e	<i>Emission Reductions</i>		<i>(09/11/2023 to 08/11/2028)</i>	
<i>Bassline Emissions</i>	106,873 tCO ₂ e																
<i>Project Emissions</i>	0																
<i>Leakage Emissions</i>	0 tCO ₂ e																
<i>Annual Estimated Emission</i>	106,873 tCO ₂ e																
<i>Reductions</i>																	
<i>Total Estimated</i>	534,368 tCO ₂ e																
<i>Emission Reductions</i>																	
<i>(09/11/2023 to 08/11/2028)</i>																	

2.8 Validity of monitoring plan

Means of validation	Assessment of Monitoring System as per the requirement of applied methodology ACM002, Version 21 in accordance with the GS VVS V1 (Gold Standard, Validation and Verification Standard, Version 1) as well as CDM VVS PA V3.0 (Clean Development Mechanism, Validation and Verification Standard for Project Activity, Version 3.0).			
Findings	Function	Reporting Tasks	Recording	Conclusion of VVB
	Data Measurement	Electricity Import/Export to grid	Meter reading,	Joint Meter reading system is found in well-functioning manner
	Data collection and archiving	Manual and electronic recording of import and export to grid	Logbook is maintained	Logbook is maintained, TANGEDCO invoices for electricity import/export archived
	QA/QC Procedures	Calibration of meters at decided intervals	Performed by TANGEDCO	Calibration Certificate is checked (2022)
	Personnel training	Operation and Maintenance Training on regular interval	Training schedule and certificates if available	Validation Team has assessed the frequent trainings conducted
To evaluate the any change, development, description of monitoring plan, containing all of the monitoring parameters for the GS project activity. Validation Team has assessed the monitoring plan developed and implemented by PD with respect to responsible personnel monitoring and measurement, quality assurance, quality control procedures Validation Team has assessed each parameter required to be monitored as per applied monitoring methodology as if PDD is feasible to implement and will result credible emission reductions resulted due to the project activity.				

	Parameter Fixed	Description of Parameter	Unit	Value Applied	Conclusion of VVB
	EF _{grid, OM,y}	Operating Margin CO ₂ emission factor in year y	tCO ₂ e /MWh	0.9518	Determined by CEA database, Version 18.0 (09/2022) in accordance with CDM TOOL07
	EF _{grid, BM,y}	Build Margin CO ₂ emission factor in year y	tCO ₂ e /MWh	0.8687	Determined by CEA database, Version 18.0 (09/2022) in accordance with CDM TOOL07
	EF _{grid, CM,y}	Combined Margin CO ₂ emission factor in year y	tCO ₂ e /MWh	0.9310	Calculated in accordance with CDM TOOL07
	Parameter to be monitored	Description of Parameter	Unit	Value Applied	Conclusion of VVB
	EG _{PJ,grid,y} (or EG _{facility,y}) - Access to affordable and clean energy services (SDG 7)	Quantity of net electricity supplied to the grid	MWh/y	1,14,794	this net energy is to be monitored on monthly basis at verification stage in accordance with ACM0002, Version 21
	ER _y - Annual emission reduction (SDG13)	Emission reductions achieved per year	tCO ₂	1,06,873	Annual Estimated Emission Reductions are calculated as per ACM0002 Version 21.
	Headcount of employees (SDG8)	Headcount of total number of employees by employment contract (permanent and temporary), by gender. And Headcount of total number of employees by employment type (full-time and part-time), by gender.	NOS.	20	Employment's salary records and salary slips are assessed are assessed.
Conclusion	Validation Team conforms that monitoring plan is consistent and materially the same with respect to latest renewed PDD. Validation Teams has not identified any changes to the monitoring plan also, it assessed the fulfillment of all criteria of applicable and project standard				

	for monitoring and found feasible GS VVS V1 (Gold Standard, Validation and Verification Standard, Version 1) as well as CDM VVS PA V3.0 (Clean Development Mechanism, Validation and Verification Standard for Project Activity, Version 3.0).
--	--

2.9 Crediting period

Means of validation	Assessment of remaining operation lifetime of project activity, review of start date, type (renewable or fixed), duration of 1 st crediting period (including end and start date) and expiration timeline of 2 st crediting period with respect to latest validated PDD against the requirement of GS VVS V1 (Gold Standard, Validation and Verification Standard, Version 1) as well as CDM VVS PA V3.0 (Clean Development Mechanism, Validation and Verification Standard for Project Activity, Version 3.0).
Findings	Validation Team has not raised any finding.
Conclusion	Validation Team ensures that project titled as “72 MWac Kamuthi Renewable Energy Project” is eligible for renewal of 2 nd crediting period from 09/11/2023 to 08/11/2028 against the criteria of GS VVS V1 (Gold Standard, Validation and Verification Standard, Version 1) as well as CDM VVS PA V3.0 (Clean Development Mechanism, Validation and Verification Standard for Project Activity, Version 3.0).

2.10 Project developer

Means of validation	Assessment of Project Developer (s) details in latest validated PDD with respect to registered PDD as per the requirement of GS VVS V1 (Gold Standard, Validation and Verification Standard, Version 1) as well as CDM VVS PA V3.0 (Clean Development Mechanism, Validation and Verification Standard for Project Activity, Version 3.0).
Findings	Validation Team has not raised any finding.
Conclusion	Validation Team concludes that that details of Project Developer (s) in updated PDD are consistent with respect to registered PDD, legal or/and project ownership requirement as GS rules for project titled as “72 MWac Kamuthi Renewable Energy Project” with project reference ID 7079 ¹¹ in GS.

¹¹ <https://assurance-platform.goldstandard.org/project-documents/GS7079>

3 SUSTAINABILITY VALIDATION

3.1 Assessment of SDG outcomes

Validation Team has provided the outcome of assessment upon contribution toward SDG as specified by PD which are discussed in above section 2.8 hence, requesting to refer to the same.

4 VALIDATION OPINION

TÜV SÜD ensures that project titled as “72 MWac Kamuthi Renewable Energy Project” (‘the Project’) which is listed under GSF registry with reference number 7079, complies with the criteria of ACM0002, Version 21 for monitoring and measurement requirements.

Kamuthi Renewable Energy Limited is responsible for the preparation of the GHG emission reductions data and the reported GHG emissions reductions against the requirements of Monitoring Plan in the updated PDD version 02 dated on 25/10/2023 as per monitoring plan against the criteria of the applied methodology ACM0002, Version 21.

TÜV SÜD’s validation approach for renewal of crediting period was based upon criteria set outs by the GS programme. TÜV SÜD’s validation process for validation of 2nd crediting period considers the risks associated with reporting GHG emissions data and the controls in place to mitigate risk occurred from identified causes of uncertainty. Validation Process for 2nd crediting period ensures the followings:

- Updated PDD has all the section relating to relating to the baseline, estimated GHG emission reductions or net anthropogenic GHG removals, the monitoring plan and the crediting period using the valid version of the approved methodologies and, where applicable, the approved standardized baselines and the other methodological regulatory documents that are applicable to the project activity.
- Applied methodology and methodological tools are of valid version as per the criteria of GS VVS V1 (Gold Standard, Validation and Verification Standard, Version 1) as well as CDM VVS PA V3.0 (Clean Development Mechanism, Validation and Verification Standard for Project Activity, Version 3.0)
- Updated PDD uses valid version for latest PDD form and information from the registered PDD is transferred in latest version without any material inconsistency
- The original baseline is found valid with respect to registered PDD against the requirement of project standard
- Information of Project Developer are consistent with respect to approval and MOC objective evidence against the requirement of GS VVS V1 (Gold Standard, Validation and Verification Standard, Version 1) as well as CDM VVS PA V3.0 (Clean Development Mechanism, Validation and Verification Standard for Project Activity, Version 3.0)
- No deviation from applied valid version of methodology or/and methodological tool against the criteria of GS VVS V1 (Gold Standard, Validation and Verification Standard, Version 1) as well as CDM VVS PA V3.0 (Clean Development Mechanism, Validation and Verification Standard for Project Activity, Version 3.0)

- No deviation from the registered monitoring plan is found against the requirement of GS VVS V1 (Gold Standard, Validation and Verification Standard, Version 1) as well as CDM VVS PA V3.0 (Clean Development Mechanism, Validation and Verification Standard for Project Activity, Version 3.0)
- Request of validation for 2nd crediting period is valid as the next crediting period of the project activity commences on the day immediately after the expiration of the current crediting period
- PD has now added the important milestone for project implementation and registration under the carbon market mechanism which includes the registration ID of CDM (10581) which was registered in 04/08/2020 and transitioned to GS4GG on 28/04/2022 with ID 7079 along with relevant weblink in section A.1 of the PDD. Same has been assessed by VVB.
- PD has provided the declaration to demonstrate that project is not registered with any other carbon market or any other domestic/international registry that could hold renewable energy certificates which has been assessed by VVB team.
- PD claims that they invested a total amount of ₹29,00,000 in Corporate Social Responsibility (CSR) activities during the 1st crediting period (09/11/2018 to 08/11/2023) and These contributions made towards the sustainable development and welfare initiatives associated with the project. Same has been verified by VVB.
- PD demonstrate that as this is a solar energy project, no additional Environmental and Social Impact Assessment (ESIA) is required for the renewal crediting period. Validation team assessed that since the ESIA is completed in validation time it is not necessary at the time of renewal.

TÜV SÜD concludes that 72 MWac Kamuthi Renewable Energy Project ('the Project') which is listed under GSF registry with reference number 7079, is eligible for request for validation of 2nd crediting period where estimated GHG Emission Reductions value is 534,368 tCO₂e during 2nd crediting period from 09/11/2023 to 08/11/2028 including first and last day.

APPENDIX [1]: Clarification Requests, Corrective Action Requests and Forward Action Requests

Table 1. Remaining FAR from previous CDM validation/verifications or/and GS transition/design certification/design certification renewal/performance review

FAR ID	01	Section no.	NA	Date: 19/10/2023
Description of FAR				
Crediting Period: 2nd, Duration: 09/11/2023 to 08/11/2028 In result of Performance Review under Gold Standard for the Global Goals for the monitoring period 09/11/2018 to 31/12/2020 FAR#1 is raised stating “An annual report shall be submitted for each monitoring year by end of next calendar year for which verification is not completed. The first non-compliance with this requirement is deviated and approved on 27 June 2022. Further Failure to provide Annual Reports as required shall result in the de- certification of the Project” PD needs to submit the Annual report for vintage 2022-2023 by end of 31/12/2023.				
Project developer response				Date: 26/10/2023
PD will be submitting the Annual report for vintage 2022-2023 by end of 31/12/2023.				
Documentation provided by project developer				
VVB assessment				Date: 30/10/2023
Validation Team has assessed justification provided by PD with respect to timeline for submission of annual report for vintage 2022-2023, which is found appropriate as per GS rules hence, Validation Team accepts the response.				

Table 2. Remaining FAR from previous CDM/GS validation/verifications

FAR ID	02	Section no.	NA	Date: 19/10/2023
Description of FAR				
Crediting Period: 2nd, Duration: 09/11/2023 to 08/11/2028 In result of Performance Review under Gold Standard for the Global Goals for the monitoring period 09/11/2018 to 31/12/2020 FAR#2 is raised stating “The pre-CDM period can be included in GS CP and GSVERs may be issued directly and GS VER CP1 is 9/11/2018 to 8/11/2023. To maintain Gold Standard Certified Project status beyond five years, a Project must undergo Design Certification Renewal no later than the last date of current certification cycle” PD needs to comply with latest GS rules during validation process in order to successfully complete the renewal of project design certification before expiration of 1st crediting period.				
Project developer response				Date: 26/10/2023
As per latest GS rules PD will be completing renewal of project design certification before expiration of 1 st crediting period.				
Documentation provided by project developer				
VVB assessment				Date: 30/10/2023
Validation Team has assessed justification provided by PD with respect to compliance with GS rules for renewal of crediting period before expiration of first crediting period, which is found appropriate hence, Validation Team accepts the response.				

Table 3. Remaining FAR from previous CDM/GS validation/verifications

FAR ID	03	Section no.	NA	Date: 19/10/2023
Description of FAR				
Crediting Period: 2nd, Duration: 09/11/2023 to 08/11/2028 In result of Performance Review under Gold Standard for the Global Goals for the monitoring period 09/11/2018 to 31/12/2020 FAR#3 is raised stating “Verification VVB shall check all registries that could hold CERs/VERs/RECs from the project activity and confirm there is not any other issuance except GS VER from this project activity.” PD needs to provide the latest information of registries (along with name, project reference id etc.) in which project is registered if any, along with the issuance status for each monitoring period.				
Project developer response				Date: 30/10/2023
The project is registered in CDM with ID 10581; however, it was successfully transitioned from CDM to GS4GG on 28/04/2022. The project has only claimed GSVERs.				
Documentation provided by project developer				

VVB assessment	Date: 30/10/2023
Validation Team has assessed justification provided by PD with respect to registration and issuance status of CERs/VERs in CDM/GS, which is found appropriate hence, Validation Team accepts the response.	

Table 4. CL from this Validation

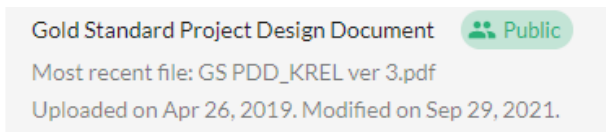
CL ID	01	Section no.	KEY PROJECT INFORMATION	Date: 19/10/2023
Description of CL				
Crediting Period: 2 nd , Duration: 09/11/2023 to 08/11/2028				
In section KEY PROJECT INFORMATION, PD has stated Time of First Submission Date as “24/12/2018” however, it was found inconsistent with respect to PDD on official project page of GSF registry in Preliminary Review where track version 01/02/03 dates are shown. Hence, PD needs to provide clarity upon the accuracy of Time of First Submission Date in updated PDD against the requirement of Project Design Document Template, Version 1.5.				
Project developer response				Date: 23/10/2023
The date has been corrected to 26/04/2019, when PDD was first submitted for preliminary review. Sustaincert screenshot has been added below.				
				
Documentation provided by project developer				
VVB assessment				Date: 30/10/2023
Validation Team has as assessed response provided by PD with respect to accurate Time of First Submission Date as per preliminary review stage which is found appropriate hence, Validation Team accepts the response.				

Table 5. CL from this Validation

CL ID	02	Section no.	KEY PROJECT INFORMATION	Date: 19/10/2023
Description of CL				

Crediting Period: 2 nd , Duration: 09/11/2023 to 08/11/2028	
In section KEY PROJECT INFORMATION, PD has estimated SDG impact for SDG 8 where it states “Employment generated due to project activity per year” are “20”. Hence, PD needs to provide the relevant objective evidence in support to SDG Impact estimation against the requirement of Principles & Requirements, Version 1.2.	
Project developer response	Date: 23/10/2023
PD is providing employment records as a justification for generating minimum 20 employment generation per year.	
Documentation provided by project developer	
Employment records and sample salary slips.	
VVB assessment	Date: 30/10/2023
Validation Team has assessed the objective evidence provide PD where sample pays lips are reviewed and employment generation information is found in compliance with the national law and legislation in accordance with the minimum wage requirement act 1948 hence, Validation Team accepts the response.	

Table 6. CL from this Validation

CL ID	03	Section no.	A.1	Date: 19/10/2023
Description of CL				
Crediting Period: 2 nd , Duration: 09/11/2023 to 08/11/2028				
In section A.1, PD has provided the start date of project activity however, objective evidence i.e., purchase order balance order by PD to determine the same is not shared. Also, PD has not provided the proof for determination of “Date of Transition Renewable from GS to GS4GG” against the requirement of Validation and Verification Standard, Version 1.				
Project developer response				Date: 23/10/2023
PD is providing Purchase order as per to confirm the start date of project activity.				
Documentation provided by project developer				
VVB assessment				Date: 30/10/2023
Validation Team has assessed the justification provided by PD with respect to specifications of project activity in CDM registry same is found accurate hence, Validation Team accepts the response.				

Table 7. CL from this Validation

CL ID	04	Section no.	A.1.1	Date: 19/10/2023
Description of CL				

Crediting Period: 2 nd , Duration: 09/11/2023 to 08/11/2028	
In section A.1.1, PD has stated that “Hence, no emission reduction cap enforced as well as no emission trading system implemented in the host country”, “The Project is not claiming carbon credits in any other mechanism. Also, self-declaration for no double counting has been provided by the PD” so it is clear that till 2023 it is highly unlikely that there would be a risk of double accounting as Bureau of Energy Efficiency, Ministry of Power, along with Ministry of Environment, Forest & Climate Change is still having Indian Carbon Market (ICM) in development phase. However, how PD plans propose to hold the validity of response if ICM get launched during the project cycle (determined in section c.1.2) against the requirement of Principles & Requirements, Version 1.2?	
Project developer response	Date: 23/10/2023
Since the project is registered in CDM and has been transitioned in GS4GG therefore it has received host county approval (available in CDM website), therefore there is no possibility of double counting even if Indian Carbon Market (ICM) comes into implementation the project will be eligible in GS.	
Documentation provided by project developer	
VVB assessment	Date: 30/10/2023
Validation Team has assessed justification provided by PD with respect to no double accounting declaration and compliance with the host country approval requirement at registration in CDM or/and GS which found appropriate as ICM is not yet implemented hence, Validation Team accepts the response.	

Table 8. CL from this Validation

CL ID	05	Section no.	A.1.1	Date: 19/10/2023
Description of CL				
Crediting Period: 2 nd , Duration: 09/11/2023 to 08/11/2028				
In section A.1.1, PD has stated that “Grievance mechanism has been put in place to ensure continuous stakeholder engagement” however, PD has not provided the grievance mechanism against the requirement of Principles & Requirements, Version 1.2.				
Project developer response				Date: 23/10/2023
PD is submitting grievance register as supporting document.				
Documentation provided by project developer				
Grievance register				
VVB assessment				Date: 30/10/2023
Validation Team has assessed the objective evidence provided by PD with respect to grievance mechanism which is found appropriate hence, Validation Team accepts the response.				

Table 9. CL from this Validation

CL ID	06	Section no.	A.3	Date: 19/10/2023
Description of CL				
Crediting Period: 2 nd , Duration: 09/11/2023 to 08/11/2028				
In section A.3, PD has provided the details of Solar PV modules, Inverters, Transformers and meters however, PD has not provided suppliers contract for installed equipment also, PD needs to provide the Photos of installed technology/measures against the requirement of Validation and Verification Standard, Version 1.				
Project developer response				Date: 23/10/2023
PD is providing purchase orders for equipment's along with photos of equipment.				
Documentation provided by project developer				
Purchase order Photos				
VVB assessment				Date: 30/10/2023
Validation Team has assessed the objective evidence provided by PD with respect to technical specifications of Solar PV modules, Inverters, Transformers and meters same are crosschecked during remote audit and desk review and found appropriate hence, Validation Team accepts the response.				

Table 10. CL from this Validation

CL ID	07	Section no.	B.7.1	Date: 19/10/2023
Description of CL				
Crediting Period: 2 nd , Duration: 09/11/2023 to 08/11/2028				
In section B.7.1, PD has stated for EG _{PJ,y} "Calibration of all the meters will be undertaken once every five year and faulty meters will be duly replaced immediately" however, PD has not provided the status on calibration which expired on 26/08/2023 against the requirement of Project Design Document Template, Version 1.5.				
Project developer response				Date: 23/10/2023
PD is providing the current status of calibration with latest meter calibration certificates. The last calibration was done on 28/12/2022, which is before 5 years of previous calibration as per CEA guidelines.				
Documentation provided by project developer				
Calibration certificates				
VVB assessment				Date: 30/10/2023
Validation Team has assessed the objective evidence provided by PD with respect to status on calibration and same is found as per the calibration procedure hence, Validation Team accepts the response.				

Table 11. CL from this Validation

CL ID	08	Section no.	B.7.1	Date: 19/10/2023
Description of CL				
Crediting Period: 2 nd , Duration: 09/11/2023 to 08/11/2028				
In section B.7.1, PD has stated for Headcount of employees that “The total number of persons working in the plant would be calculated based on the daily log available at site. This parameter also monitors number of men/women employed by the project activity.” corresponding to “Measurement methods and procedures” however, PD has not provided the sample logbook mechanism against the requirement of Project Design Document Template, Version 1.5.				
Project developer response				Date: 23/10/2023
PD is providing employment records along with sample attendance logbook.				
Documentation provided by project developer				
VVB assessment				Date: 30/10/2023
Validation Team has assessed the objective evidence provided by PD with respect to employees working during daily shift at the plant same is found appropriate hence, Validation Team accepts the response.				

Table 12. CL from this Validation

CL ID	09	Section no.	B.7.3	Date: 19/10/2023
Description of CL				
Crediting Period: 2 nd , Duration: 09/11/2023 to 08/11/2028				
In section B.7.3, PD has stated “In order to ensure the proper functioning of the project activity and a proper monitoring of emission reductions, the staff will be trained” corresponding to “Personnel training” however, PD has not provided the training schedule requirement of Principles & Requirements, Version 1.2.				
Project developer response				Date: 23/10/2023
PD wants to clarify that there are no specific schedule for training. All training is done based on requirements at the site. PD is providing training certificates to the verification team.				
Documentation provided by project developer				
VVB assessment				Date: 30/10/2023
Validation Team has assessed the objective evidence provided by PD with respect to employees frequent training secessions, same is found appropriate hence, Validation Team accepts the response.				

Table 13. CL from this Validation

CL ID	10	Section no.	APPENDIX 1	Date: 19/10/2023
--------------	----	--------------------	------------	-------------------------

Description of CL	
Crediting Period: 2 nd , Duration: 09/11/2023 to 08/11/2028	
In APPENDIX 1, PD has stated “Standard procedure is followed at site during operation and maintenance” corresponding to P.9.5, “All employees will attend health & safety training” corresponding to P.3, “The project is designed to minimize adverse impacts on local ecosystems, preserving ecosystem services vital to community health. All of these has been conformed in the ESIA report of the Plant” however, PD has not provided SOP for waste management, training record on health and safety, ESIA report against the requirement of Safeguarding Principles and Requirements, Version 2.1.	
Project developer response	Date: 23/10/2023
PD is providing ESIA report, SOP for waste management, training records on health and safety and all environmental clearances received by the project.	
Documentation provided by project developer	
VVB assessment	Date: 30/10/2023
Validation Team has assessed the objective evidence provided by PD with respect to environmental clearance, SOP for waste management and health/safety training to employee, same are found appropriate hence, Validation Team accepts the	

Table 14. CAR from this Validation

CAR ID	01	Section no.	KEY PROJECT INFORMATION	Date: 19/10/2023
Description of CAR				
Crediting Period: 2 nd , Duration: 09/11/2023 to 08/11/2028				
In section KEY PROJECT INFORMATION, following PDD versions are already published on GS or/and CDM official project webpage: version 05 (registered PDD on 10/09/2020) and version 07 (dated on 18/12/2020) however, PD has specified the PDD version as “1.0” which is going to be dated later than that of latest certified PDD (i.e., version 07).				
Hence, PD needs to incorporate sequential version of subsequent PDD in order to avoid ambiguity while distinguishing between “updated DD” and “registered DD” against the requirement of Validation and Verification Standard, Version 1.0.				
Project developer response				Date: 23/10/2023
Since GS4GG does not have any guideline for continuation of version number for renewal PDDs therefore. PD is opting for restarting the version numbers since this PDD represents a different crediting period.				
Documentation provided by project developer				

VVB assessment	Date: 30/10/2023
Validation Team has assessed the response provided by PD with respect to version details which is found valid hence, Validation Team accepts the response.	

Table 15. CAR from this Validation

CAR ID	02	Section no.	A.1	Date: 19/10/2023
Description of CAR				
Crediting Period: 2 nd , Duration: 09/11/2023 to 08/11/2028				
In section A.1, PD has stated that “The project is installed in the same project boundary at Village: Sangapadai & Pudukottai, Tehsil: Kamuthi, District: Ramanthpuram, State: Tamil Nadu.” However, geographical information is not entirely consistent with the commissioning certificate hence, PD needs to incorporate accurate information against the requirement of Principles & Requirements, Version 1.2.				
Project developer response				Date: 23/10/2023
Commissioning certificate has not mentioned the villages the project is located in. The information provided in the PDD is more detailed and has already been verified during design certification.				
Documentation provided by project developer				
VVB assessment				Date: 30/10/2023
Validation Team has assessed the objective evidence provided by PD with respect to accurate information of project location same is found appropriate hence, Validation Team accepts the response.				

Table 16. CAR from this Validation

CAR ID	03	Section no.	A.1	Date: 19/10/2023
Description of CAR				
Crediting Period: 2 nd , Duration: 09/11/2023 to 08/11/2028				
In section A.1, PD has stated that “The scenario existing prior to the implementation of project activity is Electricity delivered to the grid by the project activity would have otherwise been generated by the operation of grid-connected power plants and by the addition of new generation sources, as reflected in the combined margin (CM) calculations described in the TOOL07 “Tool to calculate the emission factor for an electricity system” (Version 07.0)” However, baseline scenario demonstration has no reference to the TOOL 07 as per applied methodology. Hence, PD needs to incorporate relevant reference to justify the fact against the requirement of applied methodology for baseline scenario identification.				
Project developer response				Date: 23/10/2023

Mention of TOOL07 has been removed from this part of the PDD.	
Documentation provided by project developer	
VVB assessment	Date: 30/10/2023
Validation Team has assessed the correction proposed by PD with respect to irrelevant information for justifying Scenario existing prior to the implementation of the project activity same is found appropriate hence, Validation Team accepts the response.	

Table 17. CAR from this Validation

CAR ID	04	Section no.	A.1.1	Date: 19/10/2023
Description of CAR				
Crediting Period: 2 nd , Duration: 09/11/2023 to 08/11/2028				
In section A.1.1, PD has stated that “The Power purchase agreement between PD and Tamil Nadu Generation and Distribution Corporation Limited (TANGEDCO).” corresponding to objective evidence for location However, PD needs to incorporate information upon more valid objective evidence for project location against the requirements of Principles & Requirements, Version 1.2.				
Project developer response				Date: 23/10/2023
PD has submitted a commissioning certificate to verify location of the project. Also, as an already commissioned and design certified project this information has been verified before and is consistent with registered PDD.				
Documentation provided by project developer				
VVB assessment				Date: 30/10/2023
Validation Team has assessed the objective evidence and justification provided by PD corresponding to project location same is found appropriate hence, Validation Team accepts the response.				

Table 18. CAR from this Validation

CAR ID	05	Section no.	A.1.1	Date: 19/10/2023
Description of CAR				
Crediting Period: 2 nd , Duration: 09/11/2023 to 08/11/2028				
In section A.1.1, PD has stated that “The project is not a new project, rather it is already registered in GS4GG. Therefore, this parameter is not applicable.” corresponding to applicability criteria of Renewable Energy Activity Requirements (section 2.1) However, PD needs to provide the relevant and sufficient justification against the requirements of Renewable Energy Activity Requirements, Version 1.4.				
Project developer response				Date: 23/10/2023
PD has corrected the response in section A.1.1 of the PDD.				

Documentation provided by project developer	
VVB assessment	Date: 30/10/2023
Validation Team has assessed the correction proposed by PD with respect to fulfillment of eligibility criteria of Renewable Energy Activity Requirements by project activity same is found appropriate hence, Validation Team accepts the response.	

Table 19. CAR from this Validation

CAR ID	06	Section no.	A.1.1	Date: 19/10/2023
Description of CAR				
Crediting Period: 2 nd , Duration: 09/11/2023 to 08/11/2028				
In section A.1.1, PD has stated that “Not applicable since the project activity is not a PoA.” corresponding to applicability criteria of Renewable Energy Activity Requirements (section 2.1) However, PD needs to provide the accurate and valid justification against the requirements of Renewable Energy Activity Requirements, Version 1.4.				
Project developer response				Date: 23/10/2023
PD has corrected the response in section A.1.1 of the PDD.				
Documentation provided by project developer				
VVB assessment				Date: 30/10/2023
Validation Team has assessed the correction proposed by PD with respect to fulfillment of eligibility criteria of Renewable Energy Activity Requirements by project activity same is found appropriate hence, Validation Team accepts the response.				

Table 20. CAR from this Validation

CAR ID	07	Section no.	A.4	Date: 19/10/2023
Description of CAR				
Crediting Period: 2 nd , Duration: 09/11/2023 to 08/11/2028				
In section A.4, PD has stated that “All Projects exceeding the small-scale thresholds are defined as large scale”, “As per GHG EMISSIONS REDUCTION & SEQUESTRATION PRODUCT REQUIREMENTS version 2.1” However, PD has not provided the referencing against the requirement of Project Design Document Template, Version 1.5.				
Project developer response				Date: 23/10/2023
Section A.4 has been updated using reference of RENEWABLE ENERGY ACTIVITY REQUIREMENTS version 1.4.				
Documentation provided by project developer				

VVB assessment	Date: 30/10/2023
Validation Team has assessed the correction proposed by PD with respect to scale threshold identification as per guideline of Renewable Energy Activity Requirements is same found appropriate hence, Validation Team accepts the response.	

Table 21. CAR from this Validation

CAR ID	08	Section no.	B.3	Date: 19/10/2023
Description of CAR				
Crediting Period: 2 nd , Duration: 09/11/2023 to 08/11/2028				
In section B.3, PD has provided the schematic for project boundary however, same is not provided in specified manner against the requirement of Project Design Document Template, Version 1.5.				
Project developer response				Date: 23/10/2023
PD has updated the section B.3 of the PDD with a new diagram which shows the plant separately along with number of modules, inverters and transformers.				
Documentation provided by project developer				
VVB assessment				Date: 30/10/2023
Validation Team has assessed the correction proposed by PD with respect to project boundary specification same are found appropriate hence, Validation Team accepts the response.				

Table 22. CAR from this Validation

CAR ID	09	Section no.	B.6	Date: 19/10/2023
Description of CAR				
Crediting Period: 2 nd , Duration: 09/11/2023 to 08/11/2028				
In section B.6, PD has not provided the response against SDG Impact hence, PD needs to incorporate accurate information against the requirement of Project Design Document Template, Version 1.5.				
Project developer response				Date: 23/10/2023
PD has added SDG impact in section B.6 of the PDD.				
Documentation provided by project developer				
VVB assessment				Date: 30/10/2023
Validation Team has assessed the correction proposed by PD with respect to SDG impact same is found appropriate hence, Validation Team accepts the response.				

Table 23. CAR from this Validation

CAR ID	10	Section no.	B.6.1	Date: 19/10/2023
Description of CAR				

Crediting Period: 2 nd , Duration: 09/11/2023 to 08/11/2028	
In section B.6.1, PD has not provided choice/approach for methodology regrading SDG quantification hence, PD needs to incorporate accurate information against the requirement of Principles & Requirements, Version 1.2.	
Project developer response	Date: 23/10/2023
PD has added choice/approach for methodology regarding SDG quantification in section B.6.1 of the PDD.	
Documentation provided by project developer	
VVB assessment	Date: 30/10/2023
Validation Team has assessed the correction proposed by PD with respect to choice/approach for methodology regrading SDG quantification same is found appropriate hence, Validation Team accepts the response.	

Table 24. CAR from this Validation

CAR ID	11	Section no.	B.7.1	Date: 19/10/2023
Description of CAR				
Crediting Period: 2 nd , Duration: 09/11/2023 to 08/11/2028				
In section B.7.1, PD has stated that “Measurement Method: - Headcount of total number of employees by employment contract (permanent and temporary), by gender. And Headcount of total number of employees by employment type (full-time and part-time), by gender” however list of employees, sample employment contracts and payment slips are not provided to demonstrate decent “economic growth, employment and decent work for all” against the requirement of Project Design Document Template, Version 1.5.				
Project developer response				Date: 23/10/2023
Since the project is registered in GS4GG as per the SDG tool PD is providing employee headcount along with attendance sheet.				
Documentation provided by project developer				
Attendance sheet				
Employment records				
VVB assessment				Date: 30/10/2023
Validation Team has assessed the objective evidence provided by PD with respect to employment generation which is found in compliance with the minimum wage act 1948 hence, Validation Team accepts the response.				

Table 25. CAR from this Validation

CAR ID	12	Section no.	B.7.1	Date: 19/10/2023
Description of CAR				
Crediting Period: 2nd, Duration: 09/11/2023 to 08/11/2028 In section B.7.1, PD has provided value of monitoring parameter ER_y which is not consistent with section B.6.3 and Emission Reduction inventory (ER Sheet) also unit of parameter is inconsistent hence, PD needs to incorporate the accurate value and unit against the requirement of applied methodology.				
Project developer response				Date: 23/10/2023
PD has updated section B.6.3 and made it consistent with ER sheet.				
Documentation provided by project developer				
VVB assessment				Date: 30/10/2023
Validation Team has assessed the correction proposed by PD with respect to value of monitoring parameter ER _y same is found accurate hence, Validation Team accepts the response.				

Table 26. CAR from this Validation

CAR ID	13	Section no.	B.7.3	Date: 19/10/2023
Description of CAR				
Crediting Period: 2nd, Duration: 09/11/2023 to 08/11/2028 In section B.7.3, PD has stated that “Projects activity comprises of installation of 6 Energy meters installed at the at project site, 3 Energy meters (1 main meter and 1 check meter, 1 standby meter) under control of PD and 3 Energy meters (1 main meter, 1 check meter, 1 standby meter) sealed and under control of TENGEDCO used for joint metering installed at interconnection point of the Grid at project site.” However, during remote assessment information was not found to be accurate hence, PD needs to incorporate the accurate value against the requirement of Project Design Document Template, Version 1.5.				
Project developer response				Date: 26/10/2023
PD has updated the description in section B.7.3 and made it consistent with assessment during site remote audit. PD is also submitting the SLD as means to justify the metering system.				
Documentation provided by project developer				
SLD				
VVB assessment				Date: 30/10/2023
Validation Team has assessed the correction proposed by PD with respect to numeric information on meters same is confirmed during remote assessment and crosschecked with Single line diagram hence, Validation Team accepts the response.				

Table 27. CAR from this Validation

CAR ID	14	Section no.	C.1	Date: 19/10/2023
Description of CAR				
Crediting Period: 2nd, Duration: 09/11/2023 to 08/11/2028 In section C.1, PD has stated start date for which objective evidence is not shared hence, PD needs to incorporate accurate information against the requirement of Principles & Requirements, Version 1.2.				
Project developer response				Date: 23/10/2023
PD is providing purchase order as proof of start date of the project.				
Documentation provided by project developer				
Purchase order.				
VVB assessment				Date: 30/10/2023
Validation Team has assessed the objective evidence provided by PD with respect to start date where proof is the found appropriate hence, Validation Team accepts the response.				

Table 28. FAR from this Validation

NA

APPENDIX [2]: List of Documents Reviewed

No.	Author	Title	References to the document
1	Kamuthi Renewable Energy Limited	GS7079_RCP_PDD_v03_Clean	Version 03, completion date: 27/03/2025
2	Kamuthi Renewable Energy Limited	CER Sheet	31/08/2023
3	Kamuthi Renewable Energy Limited	Consent of Establishment-TPCB	20/08/2015
4	Kamuthi Renewable Energy Limited	Supplier contract for equipment	30/06/2023
5	Kamuthi Renewable Energy Limited	Grievance mechanism	25/05/2019
6	Kamuthi Renewable Energy Limited	Employment records and salary slips	31/10/2023
7	Kamuthi Renewable Energy Limited	Commissioning Certificate	31/03/2016
8	Kamuthi Renewable Energy Limited	OFN	04/03/2025
9	Kamuthi Renewable Energy Limited	Power Purchase Agreement	04/07/2015
10	Kamuthi Renewable Energy Limited	Employee attendance sheet	16/06/2023
11	Kamuthi Renewable Energy Limited	Employee training records	07/06/2023
12	Kamuthi Renewable Energy Limited	Calibration certificate	20/12/2022

APPENDIX [3]: Appointment Certificates and Brief CVs of Team Members

S.N.	Name	Role	Experience Brief
1	Shruti Kudtarkar	Assessment Team Leader/Auditor/Technical Expert	Shruti Kudtarkar is an experienced ATL/Verifier/Technical Expert and has around 10 years of CDM/GHG auditing experience. Shruti Kudtarkar do not have any Col with the PPs or PA.
2	Arjun Vyas	Validator	Arjun Vyas is a qualified ATL/Verifier/Technical Expert/Country Expert for India and has experience in CDM/GHG auditing experience. Arjun Vyas do not have any Col with the PPs or PA.
3	Ankita Chauhan	Trainee Auditor	Ankita Chauhan is a Trainee Verifier for CDM/GHG auditing. Ankita Chauhan do not have any Col with the PPs or PA.
4	Sanjay Suresh Patankar	Technical Reviewer	GHG & CDM Verifier Educational qualifications: B.E. (Mech.) M.E. (Mech.) He has over 30 years of experience in various fields such as engineering manufacturing industry covering various functions like enterprise management, product design, engineering, tool & die design, improvements in the production shop, quality assurance & control and systems planning and implementation, including ISO 9001 based quality management systems. He has conducted numerous verification assignments in carbon accounting, CDM and Sustainability and certification. He has worked for 15 years in Bureau Veritas Certification (India) Pvt. Ltd. in various functions such as Lead Auditor for ISO 9001, ISO 50001, ISO 14064-1 standards and is presently responsible for technical reviews, accreditation and quality management of sustainability schemes such as ISO 50001, GHG and CDM.

5	Rishi K. Raychoudhury	Assessment Leader/Auditor/Technical Expert	Team	Mr. Rishi K. Raychoudhury is Qualified lead assessor for validations and verifications GHG mitigation projects under CDM, VCS, GS4GG and GCC and actively been involved in the validation and verification of GHG mitigation projects. He is qualified as technical expert for TA 1.2 & 3.1 under CDM SS categorization. He has undergone extensive training in the validation and verification of carbon offset projects including the accreditation requirements for the VVBs. Rishi has extensive work experience on working on Energy industry and Energy demand projects under CDM, VCS, GS4GG and GCC projects. He was also involved in forestry projects as team leader under VCS standard. He has done Master of Energy Systems from University of Petroleum and Energy Studies, Dehradun and have more than 15 years of professional experience.
---	-----------------------	--	------	---



South Asia

CERTIFICATE OF APPOINTMENT

Mr. Arijun Vyas, fulfills the requirements of the Certification Body 'Environment and Energy' of TÜV SÜD South Asia Pvt Ltd to participate in audits.

Qualification applicable to					
Standard	CDM	GS	VCS	ISO-14064-1, 2	Other GCC
	☒	☒	☒	☒	☒

Qualification as						
Status	Validator	Verifier	ATL	Technical Reviewer	Financial Expert	Technical Expert
	☒	☒	☒	☐	☐	☒
TA (s)	1.2					

Country Expertise						
Region	1	2	3	4	5	Other
Further countries	India					

Technical Area/ Scopes
1.2_Renewables

This appointment is valid until 12.07.2024 and is bound by internal requirements of the Certification Body 'Environment and Energy' of TÜV SÜD South Asia Pvt Ltd.

In case of loss of validity of this certificate as per result of an assessment according to internal procedures or due to any other reason, it will be properly communicated to you.

Your Certificate has the internal reference no. CB-IND-CCP-0023/002.

Date	Signature
12/07/2023	 Shruti Kudtarkar

IS-CMS-CB-POG-01/05, version 03

TÜV SÜD South Asia • Solitaire, 4th Floor • ITI Road, Aurangabad • Pune - 411007 • Tel.: +91 20 6584 1200 • Fax: +91 20 6584 1261

SustainCERT Academy: Exam Result



SustainCERT Academy <academy@sustain-cert.com>

To  Kudtarkar, Shruti

 Click here to download pictures. To help protect your privacy, Outlook prevented automatic download of some pictures in this message.

Hello SHRUTI KUDTARKAR,

Congratulations! You have passed the Exam VVB exam in the SustainCERT Academy.

Your score is: 95%

The Exam covers the following scope:

- GS4GG
- Energy and Waste

Re-certification is available from: 22-Oct-24

Thank you,
SustainCERT Academy

CERTIFICATE OF APPOINTMENT

Mr. Sanjay Patankar, fulfills the requirements of the Certification Body 'Environment and Energy' of TÜV SÜD South Asia Pvt Ltd to participate in audits.

Qualification applicable to					
Standard	CDM	GS	VCS	ISO-14064-1, 2	Other GCC
	☒	☐	☒	☒	☒

Qualification as						
Status	Validator	Verifier	ATL	Technical Reviewer	Financial Expert	Technical Expert
	☒	☒	☒	☒	☐	☐
TA (s)	1.1, 1.2, 2.1, 3.1					

Country Expertise						
Region	1	2	3	4	5	Other
Further countries	India					

Technical Area/ Scopes
1.1_Thermal, 1.2_Renewable, 2.1_Energy distribution, 3.1_Energy demand

This appointment is valid until 02.08.2024 and is bound by internal requirements of the Certification Body 'Environment and Energy' of TÜV SÜD South Asia Pvt Ltd.

In case of loss of validity of this certificate as per result of an assessment according to internal procedures or due to any other reason, it will be properly communicated to you.

Your Certificate has the internal reference no. CB-IND-CCP-0025/001.

Date	Signature
02/08/2023	 Shruti Kudtarkar

IS-CMS-CB-POG-01/05, version 03

TÜV SÜD South Asia ♦ Solitaire, 4th Floor ♦ ITI Road, Aundh ♦ Pune - 411007 ♦ Tel.: +91 20 6684 1200 ♦ Fax: +91 20 6684 1261



CERTIFICATE OF APPOINTMENT

Mr. Rishi Raychoudhury fulfills the requirements of the Certification Body 'Environment and Energy' of TUV SUD South Asia Pvt Ltd to participate in audits.

Qualification Details

Standard	Sectoral Scope	Technical Area	Technical Area Description	Role
CDM/GCC	SS1, SS3	1.2, 3.1	1.2 Renewables 3.1 Energy Demand	VAL/VER/ATL/TR/TE
GS	GS4GG, Energy and Waste, Land use and Forest	-	1.2 Renewables 3.1 Energy Demand	VAL/VER/ATL/TR/TE
VCS	-	1, 3	1 Energy Industries (renewables), 3 Energy Demand	VAL/VER/ATL/TR/TE
ISO 14064-1	-	13	13 General	VAL/VER/ATL/TR/TE
ISO 14064-2	-	1, 3	1 Energy Industries (renewables), 3 Energy Demand	VAL/VER/ATL/TR/TE
PAS 2060	-	-	Carbon Neutrality	VAL/VER/ATL

Country Expertise: India

Certificate Number: CB-IND-CCP-0046/003

Issued on: 04/10/2024

Valid until: 23/07/2025

Version	Date	Reason for Revision
01	19/07/2024	Initial appointment
02	24/07/2024	Added GS scheme
03	04/10/2024	Added PAS 2060

Legend:

VAL - Validator, VER - Verifier, ATL - Audit Team Leader, TR - Technical Reviewer, TE - Technical Expert, FE - Financial Expert, CE - Country Expert, EE - Environment Expert, SE - Social Expert
CDM - Clean Development Mechanism, VCS - Verified Carbon Standard, GS4GG - Gold Standard for Global Goals, GCC - Global Carbon Council, PPRRS - Plastic Pollution Reduction Standard

This appointment is bound by internal requirements of the Certification Body 'Environment and Energy' of TUV SUD South Asia Pvt Ltd. In case of loss of validity of this certificate as per result of an assessment according to internal procedures or due to any other reason, it will be properly communicated to you.

Issued By
Quality Manager

IS-CMS-CB-POG-01/05, version 07