



“150 MW GRID CONNECTED WIND POWER BASED ELECTRICITY GENERATION PROJECT IN GUJARAT, INDIA”



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LGAI Technological Center, S.A.(Applus+ Certification)

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Summary:

LGAI Technological Center, S.A.(Applus+ Certification) has performed the verification of the project “150 MW grid connected Wind Power based electricity generation project in Gujarat, India.” VCS ID 292, against VCS Standard Version 4.1. The scope of verification includes confirming the implementation of the monitoring plan of the registered VCS PD (version 02) dated 28/09/2019 and the application of the monitoring methodology “Grid-connected electricity generation from renewable sources”, ACM0002, Version 19.

The verification is consisted of three phases: i) desk review of the project; ii) remote visit and 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 Applus+ certification internal quality procedures.

During the verification process 05 CARs, 02 CL and 00 FARs were raised. All the findings have been closed satisfactorily and the same has been discussed in Appendix 4.

Applus+ certification confirms that the monitoring system is in place and the emission reductions are calculated without material misstatements. The emission reductions from the project activity “150 MW grid connected Wind Power based electricity generation project in Gujarat, India” in India during the period 01-July-2021 to 31-December-2021(including both days) amount to 125,948tonnes of CO₂e.

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1 INTRODUCTION

1.1 Objective

BLP Vayu (Project 1) Private Limited has contracted LGAI Technological Center, S.A. (Applus+ Certification) to perform the periodic verification of the '150 MW grid connected Wind Power based electricity generation project in Gujarat, India' in India (hereafter called project). This project has already been registered as a VCS project (VCS ID 292). 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.

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 of this project was based on the registered project description & monitoring report /4/ and supporting documents submitted by the project proponent to the verification team. The documents were reviewed against the following guidance and protocols:

VCS standard Version 4.1, Issued: 19-September-2019; updated: 22-April-2021 /16/

Approved baseline and monitoring methodology ACM0002 ver. 19 "Consolidated baseline methodology for grid-connected electricity generation from renewable sources"/14/

VCS Program Guide, Version 4.0, dated 19-September-2019 /17/

CDM VVS for project activities version 03.0 /22/

CDM PS for project activities version 03.0 /21/

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 for all the parameters of the monitoring plan and confirms that the reported emission reductions are free from any type of material errors. Therefore, Applus+ certification confirms that the verification is conducted with reasonable level of assurance.

1.4 Summary Description of the Project

The project activity involves electricity generation by wind electric convertors and supplying the generated electricity to the state Grid. The project being a renewable energy generation activity, it leads to removal of fossil fuel dominated electricity generation. The project activity results in reductions of greenhouse gas (GHG) emissions that are real, measurable, and verifiable and also plays beneficial role in the mitigation of climate change.

During the time of registration the total installed capacity of the project was 150MW wind farm project, 1.5 MW capacity Wind Turbine Generators (WTGs) (One of the latest available technologies in the country developed by Suzlon Energy Limited) in Gujarat states of India.

The electricity generation from this wind farm contributes to annual GHG reductions estimated at 326,203 tCO₂e (tonnes of carbon dioxide equivalent). The project activity is expected to evacuate approximately 348,210 MWh of renewable power annually to the Central Grid of the country. The emission reductions from the project activity “150 MW grid connected Wind Power based electricity generation project in Gujarat, India” in India during the period 01-July-2021 to 31-December-2021(including both days) amount to 125,948 tonnes of CO₂e.

The WTGs for the project activity got commissioned between 30-September-2007 to 31-March-2008. This information was verified during remote assessment. The same was verified against the registered VCS PD/01/ and commissioning certificates/11/.The emission reductions from the project activity during the period 01-July-2021 to 31-December-2021(including both days) amount to 125,948 tonnes of CO₂e.

2 VERIFICATION PROCESS

The registered VCS project is undergoing periodic verification under VCS, the approach adopted to ensure the quality of emission reductions is described in the following sections.

2.1 Method and Criteria

Verification was conducted using Applus+ Certification procedures in line with the requirements CDM validation and verification standard for project activities, Version 03.0 for the project activity and “VCS standard version 4.1 and program guideline version 4.0” and is conducted using standard auditing techniques to assess the correctness of the information provided by the project participants. Before the assessment begins, members of the team covering the technical scope(s), sectoral scope(s), and relevant host country experience for evaluating the VCS project activity are appointed. The project activity does not fall under category “grouped projects”, hence any sampling methods not to be employed by the validation/verification body for the verification of GHG emission reductions or removals generated by the project.

Applus+ certification 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
- Remote visit and follow up interviews with project stakeholders
- The resolution of outstanding issues and issuance of final report and opinion

2.2 Document Review

The verification is performed primarily as a document review of the approved revised VCS PD, previous MR and Verification report and associated documents as stated in detail in appendix 1 of this document. The assessment is performed by a verification team using a 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

Due to the current situation with the global COVID-19 pandemic scenario and country wide lock down in most of countries across the globe, an on-site inspection has not been performed by the assessment team. However, the representatives of the PPs and onsite staff of PP were interviewed online via Zoom Meeting on 25-Feboury-2022i.e. personnel responsible for monitoring of the project activity, data collection and management, and QA/QC procedure. The details of the people interviewed are mentioned in the table below:

S N	Name	Organization
1.	Mr. Abdul Kadir	Associate Manager,PP Representative//BLP Vayu (Project 1) Private Limited
2.	Ms. Swathy	Sr. Associate,PP Representative//BLP Vayu (Project 1) Private Limited
3.	Mr. Aswin	Head of Commercial,PP Representative//BLP Vayu (Project 1) Private Limited
4.	Priyanka Mukherjee	Advisor/Consultant// EKI Energy Services Ltd.
5.	Mr. Bhaskar Dutta	Advisor/Consultant// EKI Energy Services Ltd.

The topics covered during interview ranges from general features and implementation of project to technical details of the project like calibration details, monitoring and measuring system and data collection, recording and archiving procedures. The assessment was drawn based on the feedback received during interview coupled with the documentation and remote observations.

2.4 Site Inspections

As discussed in the above section, physical site inspection is not done for the current verification. However, to achieve a reasonable level of assurance, the assessment team has followed the alternative means to substantiate the verification criteria as described in the below table –

Assessment Criteria	Means of verification/source documents	Assessment opinion
Description of project activity	i. Commissioning certificates /9/ ii. PPA signed with SEB./10/ iii. Latest VCS verification report /2.0/. iv. Interview with PP representatives on 25-February-2022	The information's with reference to project capacity, technology, plant equipment's and commissioning dates as provided in section 1.1 of MR are found consistent with

Assessment Criteria	Means of verification/source documents	Assessment opinion
		the documents.
Compliance of the project implementation with the registered project design document	i. Monthly JMRs signed by SEB /8/ ii. Geographical co-ordinates (Location of Project activity) verified through Google Map¹ as well as sharing of live location from PP representative onsite. iii. Latest VCS verification report /2.1/. iv. PPA signed with SEB /10/ v. Interview with PP representatives on 25-February-2022 vi. Latest photographs of major project equipment's installed at site (i.e.WTG, energy meters, weir intake, penstock, tailrace etc.)/18/	Verified documents indicated the following information: • Serial number of energy meters (Main and Check) • Capacity of project • Name of project participant (Ownership of the project activity) Location of power house is verified through Google Map. Daily generation records are verified on sample basis to check the operational status of project activity. Grid connectivity of the project is confirmed through the PPA. All the information's regarding the project implementation as discuss above are further verified through previous VCS verification report/2.1/ and found consistent.
Compliance of the registered monitoring plan with applied methodologies and standardized baselines	i. Interview with PP representatives on 25-February-2022 ii. PPA signed with SEB /10/ iii. Monthly JMRs signed by SEB /8/ iv. Invoices raised by project developer to SEB/7/ v. Photograph of all the WTG, energy meters installed at site and screen shots of online monitoring system/18/	The organizational structure, responsibilities and competencies of the personnel confirmed through interview with PP representatives. Frequency of monitoring of parameters listed under approved monitoring plan is verified through JMRs /Invoices. The methods used for measuring, recording, storing, aggregating, and

¹<https://www.gps-coordinates.net/>

Assessment Criteria	Means of verification/source documents	Assessment opinion
		reporting the data on monitored parameters are verified through PPA and interactions with site personnel. Procedure for data uncertainty, emergency preparedness, roles and responsibility, operational and management structure are mentioned in the MR is confirmed through interview with PP representatives and found satisfactory.
Compliance with the calibration frequency requirements for measuring instruments	i. Calibration certificates of energy meters/6/ ii. Monthly JMRs signed by SEB /8/ iii. PPA signed with SEB/10/	Calibration frequency and energy meter specifications (Sr.No., make, accuracy class) is verified through calibration certificates, photographs of energy meters and further verified through monthly JMRs and found consistent. Responsibility of calibration and maintenance of energy meters is solely under control of SEB; this is verified through the PPA.
Assessment of data and calculation of emission reductions or net removals	i. Monthly JMRs signed by SEB /8/ ii. Invoices raised by project developer to SEB/7/	Monthly values of monitoring parameters used in ER calculation are verified through JMRs and cross verified with the invoices. Methods, formulae and emission factor for calculating baseline emissions have been followed are in accordance with the applied methodology /14/.

It is noteworthy that no sampling plan for verification is applied as 100% data is verified for the current monitoring period. Most of the reference document referred by the assessment team (above table) are either issued /endorsed by grid utility (SEB) Indian Grid, a government agency, hence is deemed authentic.

The assessment team has also used documents such as validation report/2.2/ available publicly. Furthermore, the project activity already verified under VCS previously and currently undergoing periodic VCS verification. Hence, based on the information's available through approved documents (VCS verifications), it can be confirmed that project is implemented and being operated as described in the registered PD/1.1/.

The assessment team has verified sufficient appropriate audit evidences, to reduce audit risk to an acceptably low level as requisite to achieve reasonable level of assurance for the current verification.

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 remote 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 Applus+ certification 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.

All the findings that are raised and communicated to project participant during the verification are included under Appendix 4. The section also includes the response, if provided, by the project participants and an assessment by the verification team if it was closed out or otherwise.

2.5.1 Forward Action Requests

The project activity is undergoing periodic verification under VCS; there were no FARs raised during the validation or previous verification/2.1/. Also during the current verification no FAR is raised.

2.6 Eligibility for Validation Activities

Not applicable, as Applus+ holds the accreditation to perform validation activities in this Sectoral Scope.

3 VALIDATION FINDINGS

3.1 Participation under Other GHG Programs

The project activity is also registered under the CDM (UNFCCC ref. no. 2347). The project proponent has provided a self-declaration in this regard which confirms that project proponent will not claim Emission reductions for current monitoring period **01-July-2021 to 31-December-2021(including both days)** under any other GHG program except VCS, hence accepted by the assessment team.

Audit team checked the REC Mechanism database of India and found that the project activity is not accredited / registered under REC mechanism. Further, declaration for the same is checked and found correct by the assessment team. Also assessment team checked the following registries to confirm the same. The details of the registries checked are as follows:

1. <https://www.recregistryindia.nic.in/>
2. <http://www.goldstandard.org/>

Rejection by other GHG programs

VVB has crossed check the same through other GHG interfaces and found consistent. A declaration has been submitted by PP to VVB confirming the same. Thus, this was further confirmed through a declaration/14/ submitted by the PP and hence accepted by the assessment team.

The details of the registries checked are as follows:

1. <https://www.recregistryindia.nic.in/>
2. <http://cdm.unfccc.int/>
3. <http://www.goldstandard.org/>
4. <https://verra.org/verra-standards-and-programs/>

The Project has no intend to generate any other form of GHG-related environmental credit for GHG emission reductions or removals claimed under the VCS Program. Renewable energy certificates are available for trading in the host country However, the same is not availed by the Project Proponent. The undertaking regarding the same is submitted by the PP which is acceptable to the assessment team and assessment team also checked the REC web site (<https://recregistryindia.nic.in/>) and found the declaration/14/ to be correct.

3.2 Methodology Deviations

There is no methodology deviation identified since project registration and also during the current monitoring period.

3.3 Project Description Deviations

The following project deviations are considered during the current monitoring period:

Deviation (1):

As per the registered monitoring plan (section 4.2), following parameters are to be monitored

- i. Electricity supplied to GUVNL ($EG_{PJ,y}$)
- ii. Quantity of Electricity exported to GUVNL facility ($EG_{y, Export}$)
- iii. Electricity generated by each WEG (EG_{WEG})
- iv. Electricity generation recorded at the Vacuum Circuit Breaker (VCB) (EG_{VCB})

However in actual monitoring practice, parameters (ii),(iii) & (iv) do not used in the emission reductions calculation and the value of $EG_{PJ,y}$ is directly sourced from the monthly share certificates issued by state utility is used in the calculation of emission reductions. Hence the project proponent has not regarded the parameters (ii),(iii) & (iv) in the monitoring plan and considered this change as project deviation. Since this change is in line with the actual monitoring plan implemented, hence does not have any impact on applicability of methodology, project design or the appropriateness of the baseline scenario.

Deviation (2):

As per the registered monitoring plan, calibration frequency of the energy meters is once in a year. The calibration is not under the purview of the Project Participant and is performed by the state utility (GUVNL) and as per the notification dated 10-February-2010, issued by the state utility "As per the provision of the relevant code, all meters are to be tested at least once in five years unless any problem is observed. However, as per the GUVNL, the ABT meters will have to be tested once in 3 years." Following the above guidance, the calibration frequency is updated from annual to once in 3 years and considered this change as project deviation.

Deviation 3:

The contact details of the Project Proponent and the other entities involved has been updated in Section 1.3 and Section 1.4 and other minor editorial corrections has been done in the current monitoring period.

The above-mentioned deviations are of permanent nature and does not have any impact on the project applicability, baseline scenario and additionality.

It is to be noted that, due to this deviation, there is no any impact on the applicability of the methodology, additionality or the baseline scenario of the project activity. This deviation is of permanent nature (the change in source of data generation) and does not have any impact on the project applicability, baseline scenario and additionality. As the deviation of the project activity does not have impact on scale & methodology of the project activity, additionality of the project activity with change in source of the data as per registered PD/01/ and will not lead overestimation of ER value, hence deviation is accepted by the audit team.

3.4 Grouped Project

This is not a grouped project.

4 VERIFICATION FINDINGS

4.1 Project Implementation Status

During the onsite audit with PP representative, it was concluded that the project is implemented as per the requirement of the registered VCS PD and approved monitoring plan. During the current monitoring period, it was observed through breakdown log sheet records onsite that no unforeseen incident/event evolved which can impact the operation of the project activity. The project underwent continuous operation and only scheduled maintenance as per the manufactures specification which is acceptable to the assessment team. Moreover, there is no unforeseen incident which can affect the applicability of the methodology and thus the same is acceptable to the assessment team.

Project location is confirmed by the assessment team through Google software. Moreover, assessment team confirm that the latitudes and longitudes as mentioned in the registered PDD is correct. The WTG wise latitudes and longitudes are confirmed below:

Geographical Location :

Site: Jakhau, District Kutch, Gujarat

Sl. No	Loc .No	Zone	TurbineCo-ordinate		Latitude			Longitude		
			X	Y	Degree	Minute	Second	Degree	Minute	Second
1	M-726	42Q	466499	2566625	23	12	30.2	68	40	21.4
2	M-727	42Q	466681	2566249	23	12	17.9	68	40	27.8

3	M-744	42Q	466846	2567109	23	12	45.9	68	40	33.5
4	M-745	42Q	467581	2567340	23	12	53.5	68	40	59.4
5	M-746	42Q	467708	2566954	23	12	40.9	68	41	3.9
6	M-747	42Q	468112	2566530	23	12	27.2	68	41	18.1
7	M-748	42Q	468125	2566237	23	12	17.7	68	41	18.6
8	M-749	42Q	468165	2565817	23	12	4	68	41	20
9	M-750	42Q	468440	2565185	23	11	43.5	68	41	29.7
10	M-761	42Q	468499	2566947	23	12	40.8	68	41	31.7
11	M-762	42Q	468862	2565724	23	12	1	68	41	44.6
12	M-764	42Q	469192	2564945	23	11	35.7	68	41	56.2
13	M-765	42Q	469913	2564475	23	11	20.5	68	42	21.6
14	M-770	42Q	469239	2566747	23	12	34.3	68	41	57.7
15	M-771	42Q	468994	2566307	23	12	20	68	41	49.2
16	M-772	42Q	469499	2566017	23	12	10.6	68	42	6.9
17	M-773	42Q	469544	2565603	23	11	57.1	68	42	8.6
18	M-774	42Q	469762	2565236	23	11	45.2	68	42	16.3
19	M-775	42Q	469968	2564882	23	11	33.7	68	42	23.5
20	M-783	42Q	469694	2567314	23	12	52.8	68	42	13.7
21	M-785	42Q	470043	2566546	23	12	27.8	68	42	26
22	M-786	42Q	470224	2565748	23	12	1.9	68	42	32.5
23	M-787	42Q	470867	2564930	23	11	35.3	68	42	55.1
24	M-789	42Q	470420	2566278	23	12	19.1	68	42	39.3
25	M-790	42Q	470857	2565748	23	12	1.9	68	42	54.7
26	M-791	42Q	470929	2565331	23	11	48.4	68	42	57.3
27	M-792	42Q	471667	2564261	23	11	13.6	68	43	23.3
28	M-793	42Q	471680	2565620	23	11	57.8	68	43	23.7
29	M-794	42Q	470955	2569490	23	14	3.6	68	42	57.9
30	M-810	42Q	472137	2570272	23	14	29.1	68	43	39.5

Sl. No	Loc .No	Zone	TurbineCo-ordinate		Latitude			Longitude		
			X	Y	Degree	Minute	Second	Degree	Minute	Second
1	M-417	42Q	476904	2555707	23	6	35.8	68	46	28
2	M-418	42Q	477078	2555335	23	6	23.7	68	46	34.2
3	M-419	42Q	477329	2555010	23	6	13.1	68	46	43
4	M-420	42Q	477267	2554611	23	6	0.1	68	46	40.8
5	M-421	42Q	477656	2554345	23	5	51.5	68	46	54.5
6	M-422	42Q	477682	2553828	23	5	34.7	68	46	55.5
7	M-431	42Q	477650	2555940	23	6	43.4	68	46	54.2
8	M-439	42Q	479020	2552587	23	4	54.4	68	47	42.6
9	M-440	42Q	479185	2552277	23	4	44.3	68	47	48.4
10	M-443	42Q	475680	2560249	23	9	3.4	68	45	44.7
11	M-444	42Q	476114	2559916	23	8	52.6	68	46	0
12	M-455	42Q	478217	2555695	23	6	35.4	68	47	14.2
13	M-456	42Q	478513	2555311	23	6	23	68	47	24.6
14	M-464	42Q	476146	2561063	23	9	29.9	68	46	1.1
15	M-465	42Q	476208	2560604	23	9	15	68	46	3.3
16	M-478	42Q	480153	2553918	23	5	37.7	68	48	22.3
17	M-479	42Q	479808	2553437	23	5	22.1	68	48	10.2
18	M-506	42Q	479765	2554928	23	6	10.6	68	48	8.6

19	M-508	42Q	480035	2554331	23	5	51.2	68	48	18.2
20	M-514	42Q	477524	2561078	23	9	30.4	68	46	49.5
21	M-526	42Q	482146	2552731	23	4	59.2	68	49	32.4
22	M-533	42Q	480840	2555592	23	6	32.2	68	48	46.4
23	M-544	42Q	481612	2554985	23	6	12.5	68	49	13.6
24	M-586	42Q	483907	2556578	23	7	4.4	68	50	34.2
25	M-587	42Q	484179	2556236	23	6	53.3	68	50	43.8
26	M-589	42Q	485745	2554999	23	6	13.1	68	51	38.9
27	M-632	42Q	471476	2561472	23	9	42.9	68	43	16.8
28	M-634	42Q	472120	2562911	23	10	29.8	68	43	39.4
29	M-640	42Q	474637	2562070	23	10	2.6	68	45	7.9
30	M-641	42Q	474529	2561612	23	9	47.7	68	45	4.2
31	M-643	42Q	474614	2562490	23	10	16.2	68	45	7.1
32	M-645	42Q	475195	2559849	23	8	50.4	68	45	27.7
33	M-667	42Q	477285	2556235	23	6	52.9	68	46	41.4

Site: Suthari, District-Kutch, Gujarat

Sl. No	Loc .No	Zone	TurbineCo ordinate		Latitude			Longitude		
			X	Y	Degree	Minute	Second	Degree	Minute	Second
1	M-97	42Q	487503	2549591	23	03	17	68	52	41
2	M-145	42Q	489261	2554731	23	06	05	68	53	43
3	M-148	42Q	489273	2554332	23	05	52	68	53	43
4	M-150	42Q	489987	2552678	23	04	58	68	54	08
5	M-161	42Q	489140	2551184	23	04	09	68	53	38
6	M-164	42Q	490517	2554940	23	06	11	68	54	27
7	M-170	42Q	490498	2553813	23	05	35	68	54	26

8	M-172	42Q	492206	2554411	23	05	54	68	55	26
9	M-201	42Q	492210	2550490	23	03	47	68	55	26
10	M-202	42Q	492800	2547164	23	01	59	68	55	47
11	M-213	42Q	492059	2552245	23	04	44	68	55	21
12	M-230	42Q	495578	2548079	23	02	28	68	57	25
13	M-260	42Q	497420	2540448	22	58	20	68	58	29
14	M-262	42Q	497920	2540371	22	58	18	68	58	47
15	M-263	42Q	499070	2541337	22	58	49	68	59	27
16	M-264	42Q	499497	2542007	22	59	11	68	59	42
17	M-265	42Q	500094	2542471	22	59	26	69	00	03
18	M-266	42Q	497903	2540945	22	58	36	68	58	46
19	M-268	42Q	499118	2540745	22	58	30	68	59	29
20	M-269	42Q	500164	2539032	22	57	34	69	00	06
21	M-270	42Q	500927	2538522	22	57	18	69	00	33
22	M-272	42Q	500544	2541801	22	59	04	69	00	19
23	M-275	42Q	501383	2538875	22	57	29	69	00	49
24	M-276	42Q	501518	2538488	22	57	16	69	00	53
25	M-277	42Q	501707	2538086	22	57	03	69	00	60
26	M-280	42Q	501826	2539374	22	57	45	69	01	04
27	M-282	42Q	502460	2537935	22	56	58	69	01	26
28	M-286	42Q	502934	2538312	22	57	11	69	01	43
29	M-288	42Q	503188	2539098	22	57	36	69	01	52
30	M-289	42Q	503445	2538636	22	57	21	69	02	01
31	M-290	42Q	501450	2542291	22	59	20	69	00	51
32	M-291	42Q	501968	2541808	22	59	04	69	01	09
33	M-292	42Q	502122	2541425	22	58	52	69	01	15
34	M-293	42Q	502122	2541002	22	58	38	69	01	15
35	M-296	42Q	502924	2540621	22	58	26	69	01	43
36	M-297	42Q	502998	2542175	22	59	16	69	01	45
37	M-299	42Q	503539	2541068	22	58	40	69	02	04

The project has been commissioned between 30-September-2007 to 31-March-2008. Assessment team checked the commissioning certificate and confirmed that the dates of Commission for the WTG are correct. Assessment team also confirm during the remote site visit that there is no change in project design except deviation requested and the project is implemented as per the description provided in the registered PD.

The technical parameters have been verified with the name plates as well as with the technical specifications of WTG and also cross checked from the technical manual of the Manufactures. Assessment team confirms that the technical parameters are consistent with the registered VCS PD. The major technical specifications of the WTG are as follows:

Details of SPV modules and Inverters:

Parameter	Specifications
-----------	----------------

1.5 MW -Suzlon ²	
Rotor	
Installed electrical output	1500 kW
Diameter	82.0 m
Cut-in wind speed	4 m/s
Rated wind speed	14 m/s
Cut-out wind speed	20 m/s
Rotor swept area	5281 m ²
Rotational speed	16.30 RPM
Regulation	Pitch
Generator	
Type	Asynchronous, 4 Poles
Rated output	1500 kW
Rotational speed	1511 RPM
Operating voltage	690 V
Frequency	50 Hz
Insulation class	H
Cooling system	Air cooled
Gear Box	
Type	3 stage gear box; 1 planetary and 2 helical
Manufacturer	Winergy/Hansen
Gear Ratio	02:35.1
Nominal Load	1650 kW
Yaw system	
Drive	Active electrical yaw motors

²<https://www.suzlon.com/pdf/product/Suzlon-S82-product-brochure.pdf>

Bearing	Polyamide slide bearing
Safety system	
Aerodynamic brake	3 independent systems with blade pitching
Mechanical brake	Hydraulic disc brake

The assessment team confirmed through remote site visit with PP representative that there is no proposed or actual change to the project design during this monitoring period. It was observed that the monitoring plan was implemented as per the registered VCS PD and applied methodology ACM0002, Version 19.0. The organisational role and responsibility as mentioned in the registered VCS PD is followed onsite. Meters are calibrated as per calibration frequency in registered VCS PD. All the emergency preparedness as mentioned in the registered VCS PD is followed onsite and no discrepancies were found regarding the same.

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/08/.
- 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 also registered under CDM. VVB assessment has confirmed that ERR in this verification period is not claimed under the CDM and not double-counted. This has been cross-verified from CDM project view page and confirm correct and hence accepted.
- The project activity is comply with indicators for sustainable development in the interim approval guidelines for Clean Development Mechanism (CDM) projects from India as discussed under section 1.11 of MR.

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

4.2.1 No Net Harm

Being bundled renewable wind farm generation project there is no negative environmental and socio-economic impacts in fact project activity contributes positively by providing environment friendly power generation leading to sustainable development of the region. Also, the

generation of employment supports upliftment of socio-economic status of region. As per the EIA notification dated 14th September 2006, the wind farm projects are exempted from environmental clearance. Hence, Environmental impact assessment is not required for this project activity.

The report on “Developmental Impacts and Sustainable Governance Aspects of Renewable Energy Projects” prepared by MNRE dated September 2013 also confirms that wind farm project activity operations do not result in direct air pollution, noise pollution. Hence verification team confirms that there are no any significant impacts due to implementation of project activity on air, water, soil quality and ambience are envisaged due to the project activity.

4.2.2 Local Stakeholder Consultation

The Project is already registered with VCS and registered VCS Project Description; sections 6 describe the Local Stakeholder Consultation Process as in-line with VCS requirement.

As a part of continuous feedback from stakeholders, there were no other major comments or protest raised by the stakeholders and they were totally in support for setting up of these kinds of projects in the region.

For ongoing communication, the PP has also placed a grievance register onsite where in the stakeholder can put down his/her complain and the same if found genuine will be addressed immediately. However, being renewable wind farm generation project there is no feedback/grievance has been reported within this monitoring period verified from the photos provided by the Project participant.

4.3 AFOLU-Specific Safeguards

Not applicable for this project activity.

4.4 Accuracy of GHG Emission Reduction and Removal Calculations

The project monitoring has been carried in accordance with the registered VCS PD/01/ and the monitoring report/04/. The monitoring plan laid in the registered PD is being followed at the site/18/. The assessment team has verified the information flow (from data generation, aggregation, to recording, calculation and reporting for these parameters including the values) in the MR/04/.The emission reductions are purely based on the net electricity generated and exported from the machines. PP has provided all the sufficient data for current monitoring period. The values of the parameter net electricity generation supplied to the grid by each phase used in deriving the GHG emission reduction could be very well correlated between the data sets and ER spreadsheet/05/ provided by PP. the verification of each monitoring parameter has been discussed later in section 4.5.

The calculation method and formulae used in calculating baseline emission is in compliance to the methodology used i.e. ACM0002 Version 19 /09/. Since project activity is a wind farm project, leakage emission and project emission has been considered as zero.

4.5 Quality of Evidence to Determine GHG Emission Reductions and Removals

The below tables describe how the parameter, that is to be measured according to the monitoring plan, has been verified to confirm that the actual monitoring complies with the monitoring plan, monitoring data has been thoroughly assessed and that the calibration requirements are met.

Parameter	Electricity supplied to GUVN LinMWh, $EG_{PJ, y}$	
Means of verification	Criteria/Requirements	Assessment/Observation
	Measuring /Reading /Recording frequency	The parameter is calculated and recorded on monthly basis. Quantity of net electricity generation supplied by the project plant/unit to the grid in year y, is calculated as: $EG_{PJ, y, KA} = (\sum EG_{JMR, project, export, y} - \sum EG_{JMR, project, import, y})$

		Where, EG_{JMR, project, export, y}=Quantity of Electricity exported by the Project WTGconnected to the feeder i to the grid during the year y. EG_{JMR, project, import, y}= Quantity of Electricity imported by the Project WTGconnected to the feeder i from the grid during the year y.	
	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 registered PD/01/ and monitoring methodology/09/.	
	Monitoring equipment	No monitoring equipment is used as this parameter is calculated. However the parameter EG_{JMR, project, export, y} and EG_{JMR, project, import, y} are calculated using measured values, are continuously monitored, hourly measured and monthly recorded ³ .	
	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 accuracy of the monitoring equipment used to measure the input values used to calculate EG_{JMR, project, export, y} and EG_{JMR, project, import, y} is 0.2s, which is as per the registered PD/01/ which is as per the norm defined in the PPA/12/.	

	Is the accuracy valid for the entire measuring range or do different accuracy levels apply to different measuring ranges?	Yes. The accuracy of monitoring equipment's is valid for the entire range.
	Calibration frequency /interval:	Calibration frequency of the meters is once in 3 years.
	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?	Yes. The calibration frequency is once in 3 years as outlined in the registered PD/01/ is in accordance with the national standards/15/.
	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?	Calibration of meters is valid for the current monitoring period.
	Is the calibration carried out for a measuring range comparable with the range for which measurements have been carried out?	Yes. The calibration is carried out appropriately.
	How were the values in the monitoring report verified?	Cumulative value of $EG_{p1,y}$ for entire monitoring period is reported in the monitoring report/04/, and monthly values in the ER calculation sheet/05/. The monthly values were verified from the credit notes issued by state utility and found to be consistent. Value of this parameter for the current monitoring period was

		verified as 134,445MWh.
	If applicable, has the reported data been cross-checked with other available data?	The monthly reported values of EG_{PI,y} were further cross checked with the monthly invoices raised by the PP /07/ to state utility 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?	Remote assessment of the project activity confirms that the necessary QA/QC procedures are in place and the data management system is effective and reliable.
	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.
Findings	CAR#3 was raised and resolved	
Conclusion	The parameter has been monitored appropriately, in accordance with the registered monitoring plan (as per measurement methods and procedures to be applied) and applied methodology. The monitoring results were recorded consistently as per the approved frequency in the monitoring plan. The emission reduction calculation for the project activity is estimated based on the electricity supplied by the WTG. Since 100% data was verified, the team can ascertain that the values taken for emission reduction calculation are free from material errors.	

Parameters fixed ex ante:

$EF_{grid,OM,y}$; tCO_{2e}/MWh : it is the operating margin emission factor of NEWNE grid fixed at the time of project registration the mentioned value of $0.9610tCO_{2e}/MWh$ is consistent with the registered PD/01/.

$EF_{grid,BM,y}$; tCO_{2e}/MWh : it is build margin emission factor of NEWNE grid fixed at the time of project registration the mentioned value of $0.8644tCO_{2e}/MWh$ is consistent with the registered PD/01/.

$EF_{grid,CM,y}$; tCO_{2e}/MWh : it is the combined margin emission factor of NEWNE grid fixed at the time of project registration the mentioned value of $0.9368tCO_{2e}/MWh$ is consistent with the registered PD/01/.

Calibration of meters:

During the verification assessment of the project activity, accuracy of all the metering have been checked and found appropriate. The installation and working conditions of the meters were checked during the remote inspection and were found to be satisfactory. Details of meters are provided in below table:

The current meter details for BLP Vayu (Project 1) Private Limited is as follows:

220 KV Substations						
Meter Serial No	Substation details	Accuracy class	Previous Calibration date	Due date	Present Calibration date	Due date
GJ-2319 -A	Suthari ABT Meter Line 1	0.2 s	18-August-2018	18-August-2021	04-October-2021	03-October-2024
GJ-2320 -A	Suthari ABT Meter Line 2	0.2 s	18-August-2018	18-August-2021	04-October-2021	03-October-2024
GJ-2317-A	Nani Sindhodi ABT Meter Line 1	0.2 s	20-August-2018	20-August-2021	04-October-2021	03-October-2024
GJ-2318-A	Nani Sindhodi ABT Meter Line 2	0.2 s	20-August-2018	20-August-2021	04-October-2021	03-October-2024

The assessment team has verified the monthly credit notes issued by the state utility and confirmed that only the data recorded through main meters is used to calculate net electricity supplied to the grid consequently for ER calculations.

Assessment on delay in calibration:

There is delay found in in meter calibration as the meter calibration frequency is “Once in three years” and as the meter calibration during the current monitoring period has happened in 2018&2021as provided above. , the latest calibration report dated 2021 has been provided by

the PP and same has been updated in FVR. Hence, the due date for meter calibration is in 2024, which is outside the monitoring period.

The verification team has remotely checked all the meters and confirmed that the meters were working satisfactorily. Also the calibration of meters is completely under preview of state utility and PP has no control over the same as confirmed through interviews of site personnel and PPA signed by the PP with state utility/12/.

For the delay period for the calibration, the PP has applied the maximum permissible error of the energy meter to the measured values taken during the period between the scheduled date of calibration and the actual date of calibration as the results of the delayed calibration show the error within the maximum permissible error limit. Hence it can be concluded that the approach followed by the PP is conservative and in line with the guidelines provided under paragraph 366(a) of VVS version 03.

The registered VCS PD/01/ & MR /04/ and remote audit observations confirm that the metering equipment are sealed and maintained by the state utility.

In view of the above discussion the assessment team is 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:

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

Where:

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

$EG_{PJ,y}$: 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.)

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

Baseline Emission factor (Indian Grid) for the second crediting period:

$EF_{Grid,CM,y} = 0.9368 \text{ tCO}_2/\text{MW}$

Therefore, Baseline Emissions:

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

For the period 01-July-2021 to 31-December-2021

Baseline Emission = $134,445 \times 0.9368$

= 125,948 tCO₂e (Rounded down)

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. 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. The actual emission reduction achieved during the current monitoring period are 23.41% lesser than the estimated amount of emission reductions at the time of validation, which is due to the lower PLF achieved by the project activity during the monitoring period. The generation of electricity depends upon many other climatic conditions, which are not within the control of the project participant. Hence the assessment team has concluded the decrease in emission reduction of the project activity is justified and acceptable.

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. The emission reduction calculation for the project activity is estimated based on the electricity supplied by the TG sets installed at site. Monthly values of electricity generated inserted in the ER sheet was verified with the Joint Meter Reading Report and Invoices provided by the project proponent. Since 100% data was verified, the team can ascertain that the values taken for emission reduction calculation are free from material errors. Therefore, the assessment team confirms that the emission reductions are free from any omissions, misstatement and material errors.

4.6 Non-Permanence Risk Analysis

Not applicable for the project activity. This section is not applicable for non-AFOLU projects.

5 VERIFICATION CONCLUSION

Applus+ certification, contracted by BLP Vayu (Project 1) Private Limited, has performed the independent verification of the emission reductions for the VCS project activity (VCS ID- 292) “150 MW grid connected Wind Power based electricity generation project in Gujarat, India” in India for the monitoring period 01-July-2021 to 31-December-2021 as reported in the Monitoring Report Version 02 dated 10/03/2022. The BLP Vayu (Project 1) Private Limited 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

Applus+ certification commenced the verification on the basis of the baseline and monitoring methodology ACM0002 Version 19, the monitoring plan contained in the registered VCS PD Version 02, dated 28/09/2019 and VCS guidelines version 4, Monitoring Report Version 02 dated 10/03/2022 as per the process described under Section 2 of this report.

Applus+ certification 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. Applus+ certification planned and performed the verification by obtaining evidence and other information and explanations that Applus+ certification 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-July-2021 to 31-December-2021 are fairly stated in the Monitoring Report Version 02 dated 10/03/2022. The GHG emission reductions were calculated correctly on the basis of the

approved baseline and monitoring methodology ACM0002, Version 19, and the VCS standard 4.1.

Verification period: From 01-July-2021 to 31-December-2021(including both days)

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

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)
01-July-2021 to 31-December-2021	125,948	0	0	125,948
Total	125,948	0	0	125,948

APPENDIX 1: <REFERENCES>

S.No	Title of Document	Version	Date
1.	Registered VCS PD	02	28/09/2019
2.	VCS Validation Report	01	28/09/2019
3.	VCS Monitoring Report	01	20/02/2022
4.	VCS Monitoring Report (Final)	02	10/03/2022
5.	ER spread sheet (corresponding to the final monitoring report)	02	10/03/2022
6	Certificates of Calibration for all the meters belongs to project activity	-	01/07/2021 to 31/12/2021
7.	Invoice issued by PP to state DISCOM	-	01/07/2021 to 31/12/2021
8.	Monthly JMR and Credit notes issued by GIDCO for the current verification period.	-	01/07/2021 to 31/12/2021

S.No	Title of Document	Version	Date
9.	"Grid-connected electricity generation from renewable sources", ACM0002	19.0	-
10.	CEA Database	Version 14	
11.	Commissioning certificate for all the WTG of the project activity issued by state electricity authority	-	
12.	Power Purchase Agreements signed between respective Project developer and state electricity authority	-	-
13.	VCS webpage for the project, VCS ID 292; https://www.vcsprojectdatabase.org/#/project_details/292	-	Last accessed on 15/03/2022
14.	Letter of declaration dated from PP regarding not having created or sought any other form of environmental credit for the same period	-	04/03/2022
15.	Central Electricity Authority (Installation and Operation of Meters) Regulations Notified on 17/03/2006 No. 502/70/CEA/DP&D Amendments Notified on 26/06/2010 No. 502/6/2009/DP&D/D-I	-	Dated 17/03/2006
16.	VCS Standard	Version 4.1	Issued:19-09-2019 Updated: 22-04-2021
17.	VCS Program Guide	Version 4	19/09/2019
18.	Remote assessment –interviews of staff personnel, physical inspection of monitoring system	-	25/02/2022
19.	Monthly generation reports issued by O&M contractor	-	01/07/2021 to 31/12/2021
20.	Clean Development Mechanism Validation and Verification Standard for Project Activity (CDM-VVS for PA), as per EB 101, Annex 2	3.0	

APPENDIX 2: <COMPETENCY STATEMENT>

According to the sectoral scope / technical area and experience in the sectoral or national business environment, Applus+ Certification has composed a project assessment team in accordance with the appointment rules in the internal Quality Management System of Applus+ Certification.

The composition of audit team shall be approved by the Applus+ Certification ensuring that the required skills are covered by the team.

The four qualification levels for team members that are assigned by formal appointment rules are as presented below:

- Lead Auditor (LA).
- Auditor (A) / Auditor in Training (AiT).
- Technical Expert (TE).
- Technical Reviewer (TR).

The sectoral scope / technical area knowledge linked to the applied methodology/ies shall be covered by the assessment team.

Name	Qualification	Coverage of scope	Coverage of technical Area	Financial aspect	Host country Experience	Attendance to the Remote-Site Assessment
Vivek Kumar Ahirwar	Lead Auditor (LA) & Technical Expert (TE)	Yes (1)	Yes (1.2)	N/A	Yes	Yes
Simon Shen	Technical Reviewer (TR)	Yes (1)	Yes (1.2)	N/A	N/A	N/A

The curriculum vitae of the VVB's team members are provided below:

Vivek Kumar Ahirwar is a BEE-Certified Energy Auditor by Govt of India with over eight years of relevant experience in energy efficiency, energy audit, thermal and electrical energy generation technology from renewable source and energy conservation in energy intensive industries, designated consumers and commercial buildings, implementation of energy conservation building codes, research, process and green building projects. He is a certified lead auditor for ISO 14001 EMS and 14064. He has experience under various categories of projects stating from renewable to waste to supercritical projects and WCD. He has successfully audited more than 100 GHG (CDM/VCS/GS) projects in different states across the India. He has done Master in Technology (Energy Management) from a premier institute, School of Energy & Environmental Studies, DAVV, Indore (M.P.), India and Bachelor of Engineering (Mechanical Engineering) from Govt. Engineering college, Rewa, RGPV, India.

Simon Shen (Master Degree in Thermal Energy Engineering, Bachelor Degree in Environmental Engineering) is a Lead Auditor appointed by Applus+ LGAI for the GHG project assessment. He is based in Shanghai. He has several years of work experience in environmental protection field. Before he joined Applus+ LGAI, he had been worked for TÜV SÜD as a GHG Validator/Verifier and ISO 9001/14001 Lead Auditor for 3.5 Years.

APPENDIX 3: <ABBREVIATIONS>

ABT	Availability Based Tariff
BEF	Baseline Emission Factor
BM	Build Margin
CAR	Corrective Action Request
CEA	Central Electricity Authority
CERC	Central Electricity Regulatory Commission
CL	Clarification Request
CMS	Central Monitoring System
CMP	Conference of Parties Serving as Meeting of Parties
CO2	Carbon dioxide
DISCOM	Distribution Company
EB	Executive Board
EPC	Engineering, Procurement and Construction
FAR	Forward Action Request
GHG	Green House Gas
ISO	International Standards Organization
JMR	Joint Meter Reading
kW	Kilowatt
kWh	Kilowatt hour

MEDA	Maharashtra Energy Development Agency
MFR	Multi-Function Relay
MR	Monitoring Report
MSEDCL	Maharashtra State Electricity Distribution Company Limited
MW	Megawatt
MWh	Megawatt-hour
NEWNE	Northern Eastern Western Northern-Eastern
O&M	Operation and Maintenance
PD	Project Description
PLF	Plant Load Factor
PP	Project Proponent
PPA	Power Purchase Agreement
QA/QC	Quality Assurance and Quality Control
WTG	Wind Turbine
TOD	Time of the Day
UNFCCC	United Nations Framework Convention on Climate Change
VCS	Voluntary Carbon Standard
VCSA	Voluntary Carbon Standard Association
VCS PD	VCS Project Description
VCUs	Voluntary Carbon Units

APPENDIX 4: <FINDINGS OVERVIEW>

Table 1. Remaining FAR from validation and/or previous verification

FAR ID	Section no.	NA	Date :DD/MM/YYYY
Description of FAR			
N/A			
Project participant response			Date :DD/MM/YYYY
NA			
Documentation provided by project participant			
NA			
VVB assessment			Date: DD/MM/YYYY
NA			

Table 2. CL from this verification

CL ID	01	Section no.	1.9 & 1.10	Date : 28/02/2022
Description of CL				
PP has not submitted the undertaking letter to support the requirement of section 1.9 and 1.10 of the MR and also SDG supporting not submitted to the Verification team.				
Project participant response				Date :09/03/2022
Undertaking letter pertaining to the double counting has now been provided to the assessment team. Also the Supportive related to SDGs has now been provided to the assessment team.				
Documentation provided by project participant				
1) Double counting Declaration 2) Revised MR Ver 02 3) Training Attendance sheet 4) Emission Reduction sheet Ver 02				
VVB assessment				Date: 14/03/2022
PP has provided the declaration letter dated 04/03/2022. Hence, CL#01 is closed.				

CL ID	02	Section no.	ER sheet	Date 28/02/2022
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Description of CAR	
PP has provided the ER sheet but few section has been highlighted. Justification required on the same.	
Project participant response	Date :09/03/2022
Highlighted section implies the usage of error factor due to the delay in calibration and same has been justified in the emission reduction sheet.	
Documentation provided by project participant	
1) Emission Reduction sheet ver 02	
VVB assessment	Date:14/03/2022
PP has updated the ER sheet and MR and same is found inline. Hence CL#02 is closed	

Table 3. CAR from this verification

CAR ID	01	Section no.	1.5, B.1	Date 28/02/2022
Description of CAR				
Project participant mentioned the details regarding the technologies used in the project activity but to verify the same, no such document has been provided by the PP (i.e., technical equipment's details, Commissioning certificates, power purchase agreements, O&M agreement etc.) is provided to VVB team. Corrective action is sought for the same. PP is requested to provide the above documents to assessment team.				
Project participant response				Date :09/03/2022
Technical equipment's details, Commissioning certificate, Power Purchase Agreement, O&M agreement has now been provided to the assessment team				
Documentation provided by project participant				
Technical equipment's details, Commissioning certificate, Power Purchase Agreement, O&M agreement				
VVB assessment				Date:14/03/2022
PP has provided the required documents and same has been found correct. Hence CAR#01 is closed				

CAR ID	02	Section no.	E.3	Date : 26/02/2022
Description of CAR				
The breakdown details of the power plant are provided in the MR. Further, supporting document regarding the breakdown details are not provided to the assessment team. PP is requested to provide the above documents to assessment team.				
Project participant response				Date : 09/03/2022
Breakdown details of the power plant are provided in the MR.				
Documentation provided by project participant				
1)Breakdown details 2)Revised MR ver 02				
VVB assessment				Date:14/03/2022
PP has provided the breakdown in the updated MR and same has been found correct. Hence CAR#02 is closed				

CAR ID	03	Section no.	ER sheet	Date 28/02/2022
Description of CAR				
PP has not provided the JMR & Invoices to cross check the values provided in the MR and ER sheet. Corrective action is raised for the same.				
Project participant response				Date :
JMR and invoice as a supportive has now been submitted to the assessment team to check the value in MR and ER.				
Documentation provided by project participant				
JMR and Invoice				
VVB assessment				Date:14/03/2022
PP has provided the JMR and Invoices to verify the ER sheet and updated MR, same has been found correct. Hence CAR#03 is closed				

CAR ID	04	Section no.	4.2	Date :26/02/2022
Description of CAR				

The details of monitoring meters and its calibration are provided in the MR. Moreover, Calibration certificates for the monitoring period not provided and also it is not clear that error factor has been used or not. However, PP has not provided the calibration certificate. Corrective action is raised for the same.	
Project participant response	Date :
The details of the meter calibration has now been provided and error factor has been applied whether there is delay in calibration	
Documentation provided by project participant	
meter calibration report	
VVB assessment	Date:14/03/2022
PP has provided the meter calibration report which cover entire monitoring period. Hence CAR#4 is closed.	

CAR ID	05	Section no.	4.2	Date :26/02/2022
Description of CAR				
PP has taken 3 Deviation in current MR, justification required that there is no impact on project additionality. Hence CAR is raised.				
Project participant response				Date :10/03/2022
These 3 deviations do not have any impact on the generation from the project activity neither has got any implication on the PLF of the project activity. Hence there is no impact on project additionality.				
Documentation provided by project participant				
1) Revised MR Ver 02				
VVB assessment				Date:14/03/2022
PP has provided the justification regarding the deviations and same has been checked with the requirement and found that there is no impact on the project. Hence CAR#05 is closed.				

Table 4. FAR from this verification

FAR ID	XX	Section No.	XX	Date :
Description of FAR				
NA				
Project participant response				Date : DD/MM/YYYY
NA				

Documentation provided by project participant	
NA	
WB assessment	Date: DD/MM/YYYY
NA	