

GOLD STANDARD FOR THE GLOBAL GOALS (GS4GG)
REPORT
-
VERIFICATION



Project Title:	21 MW Wind Energy Project by Shree Cement Limited
Monitoring Period:	01/11/2019 to 31/12/2020 (inclusive of both dates)
GS project ID:	GS 6999
Internal ID:	5621
Customer:	Shree Cement Limited
Date:	13/05/2021
Revision:	01

SUMMARY			
Reference No.	Date (first version)	Version No.	Date (last version)
A+SH_SYST_TQC 5621	13/05/2021	01	13/05/2021
GS4GG Verification			
GS4GG Certified Product (sought):		GHG Emission Reductions	
GS4GG SDG Impact Statement (sought):		Impact Certification	
General Information			
Client	Shree Cement Limited		
Project Title	21 MW Wind Energy Project by Shree Cement Limited		
Project Participants	Shree Cement Limited		
Project Location	The project activity is located in Kushtagi Wind Farm in Koppal district, Karnataka, India		
Contact Person	Mr. Sanjay Singh		
Monitoring Period	01/11/2019 to 31/12/2020 (inclusive of both dates)		
GS4GG Version: GS4GG Principles and Requirements 1.2 GS4GG Activity Requirements: RE Activity Requirements Applied Methodology Version: ACM0002 Version 20.0 Consolidated baseline methodology for grid-connected electricity generation from renewable sources. Current Methodology Version: Version 20.0		GS4GG Sectoral Scope: 2 UNFCCC CDM Sectoral Scope: 1 Technical Area: 1.2	
Published Monitoring Report Version: 01 Date: 23/02/2021		Final Monitoring Report Version: 02 Date: 19/04/2021	
Certified Project Design Document Version: 04 ¹ Date: 06/12/2019 GS Passport Version (if applicable): NA			
Ex ante estimate of SDG goals: SDG 7 (Affordable and clean energy): 55,953.38 MWh SDG 8 (Decent work and economic growth): Total 10 people employed and 1 training conducted SDG 13 (Climate action): 52,417 tCO ₂ e			
Actual SDG goals achieved during monitoring period: SDG 7 (Affordable and clean energy): 48,975.91 MWh SDG 8 (Decent work and economic growth): Total 57 people employed and 11 training conducted SDG 13 (Climate action): 45,880 tCO ₂ e			
Selected Sustainable Development Goals (SDGs): 7, 8 and 13			
Verification Summary			
LGA Technological Center, S.A. (hereafter referred to as Applus+ Certification) has been contracted by Shree Cement Limited to perform the 2 nd periodical verification of "21 MW Wind Energy Project by Shree Cement Limited" (Ref. No. GS 6999) applying the methodology ACM0002 Version 20.0. The management of Shree Cement Limited is responsible for the preparation of the GHG emissions data and the reported GHG emission reductions. A desk review and interviews have been conducted to verify the data submitted in the monitoring report. Applus+ Certification confirms the following have been reviewed: a. The GS4GG PDD V04 including the monitoring plan; b. Monitoring report(s);			

¹ <https://registry.goldstandard.org/projects/details/1454>

- c. The applied monitoring methodology;
- d. Relevant decisions, clarifications and guidance from the CMP and the CDM Executive Board;
- e. The Gold Standard for Global Goals "Principles and Requirements" Version 1.2 and GS4GG guideline and related Annex.
- f. All information and references relevant to the project activity's resulting in emission reductions.

Shree Cement Limited has implemented a Greenfield **"21 MW Wind Energy Project by Shree Cement Limited"** large-scale grid connected wind power project ("Project activity") in the state of Karnataka, India. The project activity involves installation and operation of 10 Wind Turbine Generators (WTGs) of 2.1 MW Suzlon S-97 model.

Electricity generated from the project activity is exported to the Indian electricity grid. As per GS4GG PDD V04, the net electricity generation from the project activity is estimated as 47,829 MWh/year and abates a total of 224,030 tonnes of Carbon Dioxide emissions during its entire crediting period (28/03/2018 to 27/03/2023).

Applus+ Certification confirms that the project is implemented in accordance with the validated PDD V04. The monitoring plan complies with the applied methodology ACM0002, Version 20.0 /13/ and the Gold Standard for Global Goals "Principles and Requirements" Ver.1.2 /15/, GS4GG guideline the monitoring has been carried out in accordance with the monitoring plan. The monitoring system is in place and the emission reductions are calculated without material misstatements. Our opinion relates to the projects GHG emissions and the resulting GHG emission reductions reported and related to the valid and registered project baseline and monitoring and its associated documents. Based on the information reviewed and evaluated Applus+ Certification confirms that the implementation of the project has resulted in 45,880 tCO₂e emission reductions during period 01/11/2019 to 31/12/2020 (inclusive of both dates).

ASSESSMENT TEAM		
Team Members	Type of Resource ²	Organization (for OEs)
Lead Auditor: Mr. Pankaj Kumar	☐ IR ☐ EI ☒ OE	M/s True Quality Certifications Private Limited
Technical Expert: Mr. Pankaj Kumar	☐ IR ☐ EI ☒ OE	M/s True Quality Certifications Private Limited
Technical Reviewer : Mr. Simon Shen	☐ IR ☒ EI ☐ OE	

Note: in line with the GS Rule Update RU 2020 PR – PR V1.2 dated on 02/04/2020, the VVB hereby discloses that the VVB has performed Validation of this project with different team members than in this verification

² IR (Internal Resource); EI (External Individual); OE (Outsourced Entity)

ABBREVIATIONS	
ACM	Approved Consolidated Methodology
AM	Approved Methodology
AMS	Approved Methodology Small Scale
BM	Build Margin
CAR	Corrective Action Request
CDM	Clean Development Mechanism
CDM EB	CDM Executive Board
CER	Certified Emission Reduction
CL/CR	Clarification Request
CM	Combined Margin
CMP	Conference of the Parties serving as the Meeting of the Parties to the Kyoto Protocol
DNA	Designated National Authority
DOE	Designated Operational Entity
EF	Emission Factor
EIA	Environmental Impact Assessment
ER	Emission Reduction
FAR	Forward Action Request
GHG	Greenhouse Gas(es)
GS4GG (or GS)	Gold Standard for Global Goals
IPCC	Intergovernmental Panel on Climate Change
KP	Kyoto Protocol
MP	Monitoring Plan
MR	Monitoring Report
NGO	Non-Governmental Organization
SDG	Sustainable Development Goal
TAC	Gold Standard Technical Advisory Committee
OM	Operational Margin
PDD	Project Design Document
PP	Project Participant
UNFCCC	United Nations Framework Convention for Climate Change
VVB	Validation and Verification Body
VVS	Validation and Verification Standard

Table of Content

Contents

1. INTRODUCTION	6
1.1 Objective	6
1.2 Scope	6
1.3 Description of the project activity	7
2. METHODOLOGY	8
2.1 Appointment of the assessment team	8
2.2 Document review	9
2.3 On site assessment and follow up interviews	9
2.4 Quality of evidences	11
2.5 Reporting of findings	11
2.6 Internal Quality Control	12
3. VERIFICATION FINDINGS	12
3.1 FARs from Validation / Previous Verification	12
3.2 Project Implementation in accordance with the registered Project Design Document ...	12
3.3 Compliance of the Monitoring Plan with the Monitoring Methodology	15
3.4 Completeness of Monitoring	16
3.5 SDG Outcomes Monitoring	20
3.6 Assessment of Data and Calculation of Greenhouse Gas Emission Reductions	21
3.7 Management and Operational System	22
4. REFERENCE	24
5. VERIFICATION STATEMENT	25

Appendix:

Appendix 1: Corrective Action Request/Clarification Request/Forward Action Request resolution table.

Appendix 2: Calibration details of monitoring meters.

Appendix 3: Audit Team CVs.

1. INTRODUCTION

1.1 Objective

LGAI Technological Center, S.A. (hereafter referred to as Applus+ Certification) has been contracted by Shree Cement Limited to perform the 2nd periodical verification of "21 MW Wind Energy Project by Shree Cement Limited" applying the methodology ACM0002, Version 20.0 and GS4GG guidelines. Gold Standard projects must undergo periodic audits and verification of emission reductions as the basis for issuance of Gold Standard VERs.

The objective of the verification work is to assess the compliance with the requirements of paragraph 62 of the CDM Modalities and Procedures as well as the GS4GG guidelines and relevant Principles and Requirements. According to this assessment Applus+ Certification shall:

- Ensure that the project activity has been implemented and operated as per the registered PDD and transitional documents for registration and that all physical features (technology, project equipment, monitoring and metering equipment) of the project are in place;
- Ensure that the published MR and other supporting documents provided are complete, verifiable and in accordance with applicable CDM VVS for project activities version 02 for the project activity and Gold Standard i.e. and GS4GG requirements;
- Ensure that the actual monitoring systems and procedures comply with the monitoring systems and procedures described in the monitoring plan and the approved methodology;
- Evaluate the data recorded and stored as per the ACM0002 Version 20.0.

1.2 Scope

The verification scope encompasses an independent and objective review and ex-post determination of the monitored reductions in GHG emissions by the VVB. The verification is based on the submitted monitoring report, the validated PDD V04 as well as its validation report, the applied monitoring methodology, relevant decisions, clarifications and guidance from the CMP and the EB, GS4GG guideline and any other information and references relevant to the project activity's resulting emission reductions. These documents are reviewed against the requirements of the Kyoto Protocol, the CDM Modalities and Procedures, GS4GG guideline and relevant Principles and Requirements, as well as their related rules and guidance.

Based on the requirements in the CDM VVS for project activities version 02 for the project activity as well as the GS4GG guideline, Applus+ Certification has applied a rule-based approach for the verification of the project. The principles of accuracy, completeness, relevance, reliability and credibility were combined with a conservative approach to establish a traceable and transparent verification opinion.

The verification considers both quantitative and qualitative information on emission reductions. The verification also considers the monitoring of sustainable parameters.

The verification is not meant to provide any consultancy towards the client. However, stated requests for clarifications, corrective and/or forward actions may provide input for improvement of the monitoring activities.

1.3 Description of the project activity

Shree Cement Limited has implemented a Greenfield “21 MW Wind Energy Project by Shree Cement Limited” (Project activity). The project activity involves installation and operation of 10 Wind Turbine Generators (WTGs) of 2.1 MW Suzlon S-97 model. Electricity generated from the project activity is exported to the Indian electricity grid. As per GS4GG PDD V04, the net electricity generation from the project activity is estimated as 47,829 MWh/year and abates a total of 224,030 tonnes of Carbon Dioxide emissions during its entire crediting period (28/03/2018 to 27/03/2023). The project has obtained requisite clearances and has already commissioned and was confirmed during site visit.

The project activity is located in Kushtagi Wind Farm in Koppal district, Karnataka, India.

Technical Description:

The total installed capacity of the project is 21 MW, which involves operation of 10 Wind Turbine Generators (WTGs) of Suzlon S-97 model of 2.1 MW capacity each. Technical specifications of 21 MW Wind Energy Project in the state of Karnataka by Shree Cement Limited is as follows:

Technical Data of WTGs:

MODEL	S 97 – 2.1 MW
Operating Data	
Rated power	2.1 MW
Cut-in wind speed	4 m/s
Rated wind speed	11 m/s
Cut-out wind speed	25 m/s
Rotor	
Pitch system	Electric drive with electric brake, gear box, frequency converter and batteries
Diameter	97 m
Swept area	7386 m ²
Blade material type	Glass-fibre reinforced plastic (GRP)/Polyester
Generator	
Type	Asynchronous 3 phase induction with slip rings operated with rotor circuit inverter system (DFIG)
Frequency	50/60 Hz
Protection	IP 54, IP23 for slip ring unit
Cooling system	Air cooled
Insulation	Class H
Braking System	
Aerodynamic brake	Pitch/full blade

Mechanical brake	Hydraulic disc brake, activated by hydraulic pressure
Gearbox	
Type	3 stages (One planetary & Two helical)
Yaw System	
Type	Electric motors with brake, gear box and pinion
Bearings	3 (1 per blade) , Material - 42CrMo4 QT
Tower	
Type	Tubular Steel Tower (4 sections)

2. **METHODOLOGY**

Applus+ Certification approach to the verification is a two-stage process. In the 1st stage, Applus+ Certification completed a strategic review and risk assessment of the project's activities and processes in order to gain a full understanding of:

- Activities associated with all the sources contributing to the project emissions and emission reductions, including leakage if relevant;
- Protocols used to estimate or measure GHG emissions from these sources;
- Collection and handling of data;
- Controls on the collection and handling of data;
- Means of verifying reported data; and
- Compilation of the monitoring report.

Applus+ Certification used a periodical Verification Checklist which, based on the risk-based assessment of the parameters and data collection and handling processes for each of those parameters, describes the verification approach and the sampling plan.

In the 2nd stage, using the Verification Checklist, Applus+ Certification verified the implementation of the monitoring plan and the data presented in the Monitoring Report for the period in question. This involved interviewing PP representative during the site visit and a desk review of the Monitoring Report. This Verification Report describes the findings of this assessment.

2.1 **Appointment of the assessment team**

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

The composition of audit team shall be approved by the LGAI Technological Center, S.A. (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	Role	SS Coverage	TA Coverage	Financial aspect	Host country experience
Mr. Pankaj Kumar	LA/TE	YES	YES	NA	YES
Mr. Simon Shen	TR	YES	YES	NA	NA

The complete list of CVs is included as Appendix 3 of this report.

2.2 Document review

The Monitoring Report version 01 was submitted to DOE before the verification activities started. The MR was assessed based on all the relevant documents. The aim of the assessment in the desk review was to:

- Verify the completeness of the data and the information presented in the MR;
- Check the compliance of the MR with respect to the monitoring plan depicted in the registered PDD and verify that the applied methodology was carried out. Particular attention to the frequency of measurements, the quality of the metering equipment including calibration requirements, and the quality assurance and quality control procedures of the power plant was checked by the assessment team.
- Evaluate the data management and the quality assurance and quality control system in the context of their influence on the generation and reporting of emission reductions.
- Please check section 4 of this report for detail of the documents checked.

2.3 On site assessment and follow up interviews

As a part of the verification, the on-site inspection has been performed by the assessment team. Details of interviewees, topics covered and additional information presented below:

No.	Interviewee			Date	Subject	Team member
	Last name	First name	Affiliation			
1.	Singh	Sanjay	Manager, Shree Cement Limited	02/04/2021	Project implementation, Baseline emissions, ER calculations, Sustainable monitoring etc.	Mr. Pankaj Kumar

2	Patil	Arvind	AVP, Operations Shree Cement Limited	02/04/2021	Stakeholder meeting-Soil Erosion if any, Standard of Livings etc.	Mr. Pankaj Kumar
3	Dandulkar	Y	Mechanical Engineer Shree Cement Limited	02/04/2021	Stakeholder meeting- Employment opportunities, Standard of Livings etc.	Mr. Pankaj Kumar
4	Mitra	Souvik	Consultant EKI Energy Services Ltd.	02/04/2021	Stakeholder meeting- Noise pollution if any, Standard of Livings etc.	Mr. Pankaj Kumar

The objective of the on-site assessment is to:

- Confirm the implementation and operation of the project;
- Review the data flow for generating, aggregating and reporting the monitoring parameters;
- Confirm the correct implementation of procedures for operations and data collection;
- Cross-check the information provided in the MR documentation with other sources;
- Check the monitoring equipment against the requirements of the PDD, GS PDD and the approved methodology, including calibrations, maintenance, etc.;
- Review the calculations and assumptions used to obtain the GHG data and ER;
- Identify if the quality control and quality assurance procedures are in place to prevent or correct errors or omissions in the reported parameters.
- Confirm the SDG goals/ Sustainable monitoring parameter as per the registered GS PDD
- To understand grievance (if any) from the villagers during the monitoring period.
- Local stakeholder meeting details:

Name of the stakeholder	Md. Danish
Occupation	Local Panchayat Representatives
DOE QUESTION: Did PP provided employment opportunity to locals? Answer: Yes, employment is generated and the locals are given priority. Assessment team noted that locals were employed for the project activity for the current monitoring period. DOE also like to conclude that during the site visit it was observed that local people were employed for security and operation related work like vegetation improvement and other unskilled work. DOE also found that skilled local persons were also employed by the organization for the operation and maintenance of the power plant.	

Name of the stakeholder	Shankar Murthy
-------------------------	----------------

Occupation	Local stakeholder (villager)
DOE questions: Did the power plant/WTGs have any harmful impact on farming or vegetations? Answer: NO. The plant is implemented in barren land and there were no any fertile land or crop which is damaged.	

2.4 Quality of evidences

Sufficient evidence covering the full verification period in the required frequency is available to verify the figures stated in the final MR Version 02. Specific cross-checks have been done in cases that further sources were available. The monitoring report's figures were checked by the assessment team against the raw data. The data collection system meets the requirements of the monitoring plan as per the methodology.

2.5 Reporting of findings

As an outcome of the verification process, the assessment team can raise different types of findings.

Where a non-conformance arises the assessment team shall raise a Corrective Action Request (CAR). A CAR is issued, where:

- Non-compliance with the monitoring plan or methodology 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.

The assessment team shall raise a Clarification Request (CR) if information is insufficient or not clear enough to determine whether the applicable CDM/GS requirements have been met.

All CARs and CRs raised during verification shall be resolved prior to submitting a request for issuance.

Forward Action Requests (FARs) may be raised during verification for actions where the monitoring and reporting require attention and/or adjustment for the next verification period.

Please refer Appendix 1 of this report. Total Numbers of CARs: CAR: 04, CL: 00, FARs: 00

2.6 Internal Quality Control

As a final step of verification, the final documentation including the verification report has to undergo an internal quality control by the Technical Reviewer. Each report has to be finally approved either by the DOE's Technical Manager or the Deputy. This approval process also includes another quality assurance check in terms of Administrative Review. In case one of these two persons is part of the assessment team, the final approval can only be given by the person who is not a part of the assessment team. If the documents have been satisfactorily approved, the Request for Issuance is submitted to the GS Registry along with the relevant documents.

3. VERIFICATION FINDINGS

3.1 FARs from Validation / Previous Verification

No FARs envisaged from previous verification and or validation. This is 2nd periodic verification for the project activity.

3.2 Project Implementation in accordance with the registered Project Design Document

The project activity was fully implemented according to the description presented in the registered PDD. The assessment team confirms, through the visual inspection that all physical features of the proposed project activity including data collecting systems and storage have been implemented in accordance with the validated PDD.

The project activity was in normal operational during the monitoring period and the same has been confirmed during the on-site interviews. No unusual activates observed during the monitoring period and plant was undergone scheduled maintenance as per the recommendation of the manufactures. No forced breakdown observed and the same is confirmed by the assessment team with the plant log details.

Project Participants	Shree Cement Limited
Title of project activity	21 MW Wind Energy Project by Shree Cement Limited
GS Registration No.	GS 6999
GS Version applied	The project has been submitted to GS4GG as per the guidelines of Gold Standard for Global Goals "Principles & Requirements" Version 1.2. Hence the current verification of the project activity has followed the GS4GG version of the Gold Standard.
Baseline and monitoring methodology	ACM0002 Version 20.0 - Consolidated baseline methodology for grid-connected electricity generation from renewable sources.
Project type	The purpose of the project activity is to generate electricity using wind

	power technology. It is a 21 MW large-scale grid connected wind energy power project.
Project scale	Large
Location of the project activity	The project located at District Koppal, Karnataka, India
Project's crediting period	28/03/2018 to 27/03/2023 (1 st Crediting Period)
Total duration of the project	25 years
Period verified in this verification	01/11/2019 to 31/12/2020 (inclusive of both dates)

Based on interview with PP representative the verification team was able to confirm that the project implementation is in accordance with the project description contained in the GS PDD (version 04, dated 06/12/2019 /10/)

The project activity is a 21 MW large-scale grid connected Wind Energy project in District Kopal, Karnataka, India. The geo-coordinates of WTGs have been provided below in table and the same was confirmed referring to the website Google maps/06/ and found to be correct.

S.No	Location ID	Latitude	Longitude
1	KST 091	15°52'49.43"	76°12'00.23"
2	KST 092	15°52'58.59"	76°13'46.39"
3	KST 127	15°53'57.68"	76°13'12.72"
4	KST 129	15°53'15.44"	76°11'16.37"
5	KST 132	15°53'05.95"	76°12'01.57"
6	KST 133	15°53'34.38"	76°10'35.56"
7	KST 134	15°52'28.57"	76°12'12.61"
8	KST 145	15°53'05.62"	76°13'06.86"
9	KST 146	15°53'21.05"	76°13'40.58"
10	KST 179	15°52'49.83"	76°13'02.40"

The project activity involves installation and operation of 10 Wind Turbine Generators (WTGs) of 2.1 MW Suzlon S-97 model in the state of Karnataka. The cumulative capacity of the project activity is 21 MW.

The project has obtained the requisite clearances and has already commissioned on as verified from the review of relevant document /17/ and operating successfully /18/.

Sl. No.	WTG ID	Commissioning date
1	KST 091	28/03/2018
2	KST 129	28/03/2018
3	KST 134	28/03/2018
4	KST 145	31/03/2018
5	KST 146	31/03/2018
6	KST 127	31/03/2018

7	KST 179	31/03/2018
8	KST 132	28/06/2018
9	KST 133	28/06/2018
10	KST 092	28/06/2018

Project equipment and the technology are employed as mentioned in the registered PDD /10/.

The technical details of the project activity as confirmed during the interview on-site inspection explained in sec. 1.3 above.

The operation of the project activity complies with all statutory requirements as the PP is submitting the monthly invoice to government authorities.

The monitoring data is recorded on continuous basis and available on hourly/daily basis as ERP and MIS reports /18/ and stored at plant site.

Training has been provided to the operators on the technology and the monitoring of the plant operation, and the emergency and safety procedures. The company has recruited personnel with relevant experience in the operation of the plant.

There is no event or situation including emergency situations occurred during this monitoring period which has impacted the applicability of methodology /13/. The outage record or breakdown report /07/ for this monitoring period was discussed during the onsite audit and verified from logbooks shared by PP and found OK.

The timeline of the project's implementation is as follows:

Milestone of the project activity	Timeline	Assessment by the verification team
Registration of the project activity under GS4GG Principles and Requirements version 1.2	06/12/2019	The end date of the review period "6 week registration review period under GS4GG version 1.2" i.e. 06/12/2019 has been considered as the registration date of the project activity and has been verified by the verification team from the review document
Crediting period		
2 nd Monitoring period	01/11/2019 to 31/12/2020 (inclusive of both dates)	Verification team has verified same from the registered documents. Also, this monitoring period is within the first crediting period.

Assessment of actual emission reductions with the estimate emission reductions in PDD:

Estimated Emission Reduction as per registered PDD	44,806 tCO ₂ e As per PDD V04, ER for 365 days - 44,806 tCO ₂ e and for this MP, total days are 427. Accordingly, emission reduction for this MP, estimated ER is 52,417 tCO ₂ e. Plz refer calculation in ER Spread sheet
Actual Emission Reduction for the monitoring period	45,880 tCO ₂ e

Is any increase of VERs occurred?	No
Reason for increase of VERs	NA

In summary, verification team confirms that actual emission reduction is lower than the estimate of the registered for the current monitoring period.

Verification team considers the project and monitoring description of the project contained in the Monitoring report to be complete and accurate. The Monitoring report complies with the relevant methodology, tools, forms and guidance which are in line with that available in the registered documents (including PDD) with Gold Standard.

Opinion:

- a) In opinion of the assessment team the implementation and operation of the project activity is in compliance with the description in the PDD V04.
- b) There is no revision in monitoring plan or post registration change for the current monitoring period.
- c) The actual emission reductions for the current monitoring period are 45,880 tCO₂e which are lower than the estimated ERs (52,417 tCO₂e) for the comparable period.

3.3 Compliance of the Monitoring Plan with the Monitoring Methodology

The DOE verification team is able to confirm that the monitoring plan contained in the PDD Version 04.0, dated 06/12/2019 is in accordance with the approved methodology applied by the project activity — ACM0002 Version 20 /13/ Consolidated baseline methodology for grid-connected electricity generation from renewable sources.

The monitoring plan and the monitoring system implemented are in compliance to the applied monitoring methodology ACM0002 Version 20.0. All other requirements of the applied methodology are met. Furthermore, it can be confirmed that the ex-ante value for grid emission factor (EF) sourced from CEA database in the registered PDD has been correctly applied in the calculation of emission reductions. The DOE verification team confirms that the monitoring plan of the CDM project activity complied with the applied methodology.

During the verification all relevant monitoring parameters (as listed in the PDD) have been verified with regard to the appropriateness of the applied measurement/determination method, the correctness of the values applied for ER calculation, the accuracy, and applied QA/QC measures.

Opinion:

The monitoring plan mentioned in the registered PDD is in line with the applied methodology i.e. — ACM0002 Version 20.0, Consolidated baseline methodology for grid-connected electricity

generation from renewable sources. The monitoring mechanism is in line with the methodology and is effective and reliable.

3.4 Completeness of Monitoring

The monitoring has been carried out in accordance with the monitoring plan contained in the PDD (Version 04.0, dated 06/12/2019) /10/. During the course of verification, all relevant monitoring parameters have been verified with regard to the appropriateness of the applied measurement / determination method and applied QA/QC procedures. It is confirmed that the monitoring parameters have been measured / determined without material misstatements.

The verification team reviewed the actual monitoring during the interview during the site visit and from document review and compared it against the requirements of the monitoring plan in the PDD /10/ and found in line.

The verification team assessed the monitoring techniques and each monitoring value in the monitoring report; and provided a short summary on the verification of every parameter listed in the monitoring plan and used for calculation of emission reductions.

a. Data and parameters fixed ex ante or at renewable of crediting period

EF_{grid,OM,y}, **EF_{grid,BM,y}**, & **EF_{grid,CM,y}** were mentioned as ex-ante fixed parameter.

The value for **EF_{grid,OM,y}**, **EF_{grid,BM,y}** & **EF_{grid,CM,y}** was considered from CO2 Baseline Database Version 14.0 for the Indian Power Sector prepared by Central Electricity Authority. The value of grid emission factor 0.9368 tCO₂/MWh is mentioned as per the registered PDD. The assessment team concludes that the value is correct and appropriate. The default value in turn is used for baseline calculation as per the formula given in the registered PDD for the current monitoring period. Assessment team checked the values, source of data, choice of data, purpose of the data mentioned in the MR from the registered PDD and confirms that the similar approach was considered for the current monitoring period also.

The relevant Emission factor values used for emission reduction calculation are as below. Also, as GS4GG "Principles and Requirements" V 1.2 the ex-ante fixed parameters are now connected to relevant SDG indicator which is acceptable to the assessment team.

EF_{grid,OM,y} Relevant SDG Indicator= SDG13: Climate Action= 0.9610 tCO₂e/MWh

EF_{grid,BM,y} Relevant SDG Indicator= SDG13: Climate Action= 0.8644 tCO₂e/MWh

EF_{grid,CM,y} Relevant SDG Indicator= SDG13: Climate Action= 0.9368 tCO₂e/MWh

b. Data and parameters monitored

Relevant SDG Indicator	7.2.1 Renewable energy share in the total final energy consumption
Data/parameter:	EG_{PJ,y}

Unit	MWh								
Description	Quantity of net electricity generation supplied by the project plant/unit to the grid in year y in MWh								
Measured/calculated/default	Calculated (based on the measured values of electricity exported and imported)								
Source of data	Monthly joint meter reading reports/B-Forms								
Value(s) of monitored parameter	<table> <tr> <th>Monitoring Period</th><th>Values</th></tr> <tr> <td>01/11/2019 to 31/12/2019</td><td>5,994.34</td></tr> <tr> <td>01/01/2020 to 31/12/2020</td><td>42,981.57</td></tr> <tr> <td>Total</td><td>48,975.91</td></tr> </table>	Monitoring Period	Values	01/11/2019 to 31/12/2019	5,994.34	01/01/2020 to 31/12/2020	42,981.57	Total	48,975.91
Monitoring Period	Values								
01/11/2019 to 31/12/2019	5,994.34								
01/01/2020 to 31/12/2020	42,981.57								
Total	48,975.91								
Monitoring equipment	Monitoring equipment: ABT Energy Meters Accuracy of Energy meters: 0.2 The detailed schedule of Calibration and energy meters used in project activity has been mentioned in Appendix 2								
Measuring/reading/recording frequency:	Continuous measurement and at least monthly recording								
Calculation method (if applicable):	Net Electricity is calculated difference between export & import which is measured by energy meters.								
QA/QC procedures:	The electricity exported & imported is measured by Energy meter installed at substations. The reading is recorded and the difference from last month reading gives the number of units imported/exported. Net electricity supplied to the grid by the project plant in a given month = Export, kWh –Import, kWh. The 115% of import and transmission loss would be accounted while calculating net electricity supplied to grid as per PPA. The meters is approved, tested & sealed by the State Utility. The meters are in the custody of State Utility. The frequency of calibration is once in 5 years as per the registered PDD. The monthly electricity supplied/exported by the project activity in the JMR report is cross checked with the monthly invoices of sale. In the absence or delay in the meter calibration appropriate Guidelines are applied appropriately to confirm the conservativeness of metering.								
Cross Checks	The Form B is cross-checked with the invoice copies. Emission reduction calculated in thus correct and accurate. The cross check mechanism is presented in the emission reduction calculation sheet and the same is found correct.								

Relevant SDG Indicator	SDG 13.2.1: Climate Action								
Data/parameter:	ER_y								
Unit	tCO ₂								
Description	Emission reductions achieved per year								
Source of data checked by the assessment team	Emission reduction sheet								
Value(s) of monitored parameter	<table> <tr> <th>Monitoring Period</th><th>Values</th></tr> <tr> <td>01/11/2019 to 31/12/2019</td><td>5,615</td></tr> <tr> <td>01/01/2020 to 31/12/2020</td><td>40,265</td></tr> <tr> <td>Total</td><td>45,880</td></tr> </table>	Monitoring Period	Values	01/11/2019 to 31/12/2019	5,615	01/01/2020 to 31/12/2020	40,265	Total	45,880
Monitoring Period	Values								
01/11/2019 to 31/12/2019	5,615								
01/01/2020 to 31/12/2020	40,265								
Total	45,880								

Means of verification:	Assessment team checked that the parameter is calculated. The electricity exported & imported measured by Energy meter installed at substation. The JMR is cross-checked with the invoice copies. Emission reduction calculated in thus correct and accurate.
Cross check mechanism	All the formulas are applied in line with the registered GS4GG PDD

Relevant SDG Indicator	SDG 8.5: By 2030, achieve full and productive employment and decent work for all women and men, including for young people and persons with disabilities, and equal pay for work of equal value
Data/parameter:	Quantitative employment
Unit	Number
Description	Number of people employed directly due to the project activity
Measured/calculated/default	Not Applicable
Source of data	Plant records or training records for all the employees/Letter from O&M contractor for employment generation/ DOE interview with employees, local stakeholders etc.
Value(s) of monitored parameter	Total no. of persons employed during this monitoring period provided by the PP was cross checked with plant records and through interviews. A total of 30 employments given during monitoring period. Further, the same has been crosschecked by the VVB during on site visit by means of attendance register and physical interviews and salary slips.
Monitoring equipment	-
Measuring/reading/recording frequency:	Monthly monitoring and annual compilation
Calculation method (if applicable):	The total number of persons working in the plant is calculated based on the daily log available at site.
QA/QC procedures:	The number of persons employed is mentioned in the plant register is crossed checked with attendance register. The information required for this parameter is being checked by VVB during site visit through interview with people and through relevant supporting documents.
Cross Checks:	Employment records

Relevant SDG Indicator	8.6.1 Proportion of youth (aged 15-24 years) not in education, employment or training
Data/parameter:	Quality of employment
Unit	Number of Trainings provided to employees
Description	Training of Staff
Measured/calculated/default	Not Applicable
Source of data	Plant records or training records for all the employees/Letter from O&M contractor for employment generation/ DOE interview with employees, local stakeholders etc.

Value(s) of monitored parameter	PP has confirmed that a total no. of 11 trainings conducted during this monitoring period.			
	Sr No.	Date	Topic	No. of participants
	1.	26/11/2019	LT Switchgear maintenance	11
	2.	15/12/2019	Power Line Management	12
	3.	26/02/2020	Power Line Management	14
	4.	16/03/2020	LT Switchgear maintenance	
	5.	20/06/2020	WTG Maintenance	9
	6.	19/08/2020	Software Operations	15
	7.	20/09/2020	Computer operating	15
	8.	16/10/2020	Power Line Management	14
	9.	20/10/2020	WTG Maintenance	12
	10.	06/11/2020	LT Switchgear maintenance	14
	11.	24/12/2020	WTG Maintenance	14
VVB confirmed the details provided in MR with training register and the attendance sheet and also cross checked by conducting interviews during site visit.				
Monitoring equipment	Not applicable			
Measuring/reading/recording frequency:	Annually			
Calculation method (if applicable):	-			
QA/QC procedures:	The data crosschecked annually with the HSE & HR records by the consultant.			
Cross Checks:	Training records.			

The verification team confirms;

- The monitoring plan implemented is in line with monitoring plan included in approved GS4GG PDD.
- The monitoring complies with the requirement of the applied methodology.
- The information inflow (from data generation, aggregation, to recording, calculation and reporting) is included above under each parameter and confirms to the requirement of the approved PDD.
- The values included in the monitoring report and corresponding emission reduction sheets are verified, cross checked and included under each monitoring parameter, wherever appropriate
- The findings relevant to each parameter, wherever appropriate are discussed in detail in Appendix 1 of this report.

In summary, the verification team confirms that all the ex-post parameters are monitored in accordance with the approved monitoring plan and applied methodology.

c. Implementation of sampling plan

PP did not apply sampling plan to determine data and parameters monitored during this monitoring period. The verification team has checked all the documents such as JMR issued by State electricity board /Invoices etc. and hence sampling plan was not required. The verification team hereby confirms that has checked all the documents.

d. Compliance with the calibration frequency requirements for measuring instruments

The calibration details such as make, accuracy class serial number is as per the meter available onsite which was shared by PP and checked by verification team and found the details in line with approved PDD. The Calibration details are presented in Appendix 2 of this report.

Assessment team checked the same and found that the calibration is appropriate and correct as traceability is ensured. The meters were calibrated as per the applicable norms and the meters are within the permissible error limit.

3.5 SDG Outcomes Monitoring

For Contributions to Sustainable Development

The verification team checked the sustainable development indicator parameters during the site visit and interview.

In Summary, it is Applus+ Certification's opinion that the monitoring of the project owner regarding to sustainability is in line with requirement of the GS4GG guideline.

As per the sustainability monitoring plan in the approved PDD, verification team evaluated all sustainable development indicators as followed in the table:

Item	Baseline estimate	Project estimate	Net benefit
SDG 7: Affordable and Clean Energy	-	48,975.91 MWh	48,975.91 MWh
SDG 8: Decent Work and Economic Growth		No. of employment opportunities created: 30 No. of trainings given: 11	No. of employment opportunities created: 30 No. of trainings given: 11
SDG 13: Climate Action	45,880tCO ₂ e	-	45,880 tCO ₂ e

Comparison of actual value of outcomes with estimates in approved GS PDD

Item	Values estimated in ex ante calculation of approved PDD	Actual values achieved during this monitoring period
SDG 7: Affordable and Clean Energy	55,953.38 MWh electricity generation	48,975.91 MWh electricity generation

SDG 8: Decent Work and Economic Growth	No. of employment opportunities created: 10 No. of trainings given: 01	No. of employment opportunities created: 30 No. of trainings given: 11
SDG 13: Climate Action	52,417 tCO ₂ e emission reduction	45,880 tCO ₂ e emission reduction

The adequacy and compliance of the monitoring plan in the Monitoring report was found as per the requirements laid by the approved GS4GG PDD. The information flow (from data generation, aggregation, to recording, calculation and reporting) is already included under respective parameter above. The verification team has verified all the data and collected evidence as per the required monitoring frequency and found to be correct and appropriate meeting the requirements of the applied methodology and registered PDD.

As a part of continuous feedback from stakeholders, the grievances register is being placed at site and is being continuously monitored and addressed through the grievances cell on regular basis and maintained in a register at Shree Cement Limited site office. The comments received have been described in the Monitoring report along with the actions undertaken. The grievance register provide to verification team was also checked it was found that during the current monitoring period, no comments/feedbacks were received from the local stakeholders.

Also during the interview on-site inspection, Applus+ Certification conducted an interview with the project owner and local stakeholders please find the summary of the interview as below:

Sections	Debriefing
Trainings & salaries of the employees	During on-site interview, Mr. Sanjay Singh, PP representative team was interviewed. It was noted that regular technical & non-technical trainings were conducted and the salaries are in line with the industry standard.

In Summary, it is Applus+ Certification's opinion that the monitoring of the project owner regarding to sustainability is in line with requirement of the GS4GG guideline.

3.6 Assessment of Data and Calculation of Greenhouse Gas Emission Reductions

As a result of verification of the ER calculation process, the assessment team confirmed that all the parameters required for the determination of the emission reductions have been included in the Monitoring report Version 01 & Monitoring report Version 02 and corresponding ER calculation spreadsheets and are consistent with the applied methodology ACM0002 version 20.0 and the monitoring plan contained in the registered PDD. The parameters are complete in this monitoring period.

After verifying the reported figures with the raw data sources, it is confirmed that the values of the parameters from the raw data sources are consistent with those quoted in the Monitoring Report Version 02 and corresponding ER calculation spreadsheets. The verification process for

the same has been clearly described in above section of the report. See below for the detailed data:

Baseline Emissions for the amount of electricity supplied by project activity, BE_y is calculated as:

Project emissions:

Project Emissions, $PE_y = 0$

Emission reductions:

Calculation of baseline emission is as follows;

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

Where,

BE_y = Baseline emissions in year y (tCO_2/yr)

$EG_{PJ,y}$ = Net Quantity of net electricity supplied to the grid as a result of the implementation of the CDM project activity in year y (MWh/yr).

$EF_{grid,CM,y}$ = Combined margin CO_2 emission factor in year y i.e. $0.9368 tCO_2/MWh$ (fixed ex-ante as per CEA Database Version 14.0)

As per para 41 of ACM0002, Version 20.0, when the project activity is installation of Greenfield power plant, then:

$$EG_{PJ,y} = EG_{facility,y}$$

Where,

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

$$= 48,975.91 \times 0.9368$$

$$= 45,880 tCO_2e \text{ (Rounded down)}$$

3.7 Management and Operational System

The responsibilities of data measurement, collection, verifying, archiving etc. have been clearly defined in the approved PDD V04. The same practice is followed onsite and it is confirmed by the assessment team during the verification site visit. The data related to ER calculation as well as data monitoring, collection process etc. have been internally reviewed by the management of the Monitoring team regularly. The responsibility of each function is consistent with the monitoring plan in the registered PDD.

The information flow of each parameter has been verified by the assessment team via interviewing with responsible personnel.

It's verified during the on-site verification, the monitoring procedure as well as the internal quality management and control procedures are stipulated in the PDD. The monitoring personnel have been interviewed by the assessment team and it's confirmed that the

monitoring is implemented as per the procedure. Also, the training record comprising of Training register and attendance sheet has been checked by the assessment team and it is confirmed that the monitoring personnel are get sufficient train to perform the monitoring.

All the data and documents, either hard copies or soft copies, will be kept for two years after the end of the last crediting period or the last issuance of GS VERs for this Project, whichever occurs later.

4. REFERENCE

LIST OF DOCUMENTS	
S. No.	Document/Evidence/Reference/Web link, Version, Date
/01/	GS MR 6999 Version 01 dated 23/02/2021
/02/	GS MR 6999 Version 02 dated 19/04/2021
/03/	Emission reduction Sheet version 01 dated 24/02/2021
/04/	Emission reduction Sheet version 02 dated 19/04/2021
/05/	Joint Meter Reading (JMR)/ Invoices
/06/	Actual geo-coordinates
/07/	Break Down details of plant
/08/	Calibration certificates
/09/	Training record
/10/	Registered PDD
/11/	EHS Policy
/12/	GS registered Validation Report
/13/	Methodology
/14/	CDM VVS version 02 for the project activities
/15/	The Gold Standard for Global Goals "Principles and Requirement" V 1.2
/16/	Employment records
/17/	Commissioning certificates for the power plant
/18/	Log book records for scheduled maintenance of the power plant for the complete monitoring period
/19/	Grievance register
/20/	CSR records
/21/	CSR Policy of Shree Cement Limited
/22/	Project O&M HSE logbook, or interview with maintenance staff

5. FINAL VERIFICATION STATEMENT

Applus+ Certification has been engaged by Shree Cement Limited to perform the 2nd periodical verification of the "21 MW Wind Energy Project by Shree Cement Limited"

The management of Shree Cement Limited is responsible for the preparation of the GHG emissions data and the reported GHG emissions reductions on the basis set out within the project's Monitoring Plan in the registered PDD Version 04 and the applied methodology ACM0002 Version 20.0.

Our verification approach was based on the requirements as defined under the Kyoto Protocol, Marrakesh accord, as well as those defined by the CDM Executive Board and Gold Standard. Our approach is risk-based, drawing on an understanding of the risks associated with reporting GHG emissions data and the controls in place to mitigate these. The verification can confirm that:

- the project is operated as planned and described in the approved GS4GG project design document;
- the monitoring plan is as per the applied methodology;
- the monitoring in Monitoring Report is as per the PDD and the monitoring plan approved by GS4GG;
- the development and maintenance of records and reporting procedures are in accordance with the registered monitoring plan;
- the installed equipment being essential for generating emission reduction runs reliably and is calibrated appropriately;
- the monitoring system is in place and generates GHG emission reductions data;
- the GHG emission reductions are calculated without material misstatements.

In our opinion, the GHG emission reductions for "21 MW Wind Energy Project by Shree Cement Limited" for the monitoring period 01/11/2019 to 31/12/2020 (inclusive of both dates) as reported in Monitoring Report, prepared on the basis of the project's Monitoring Plan are fairly stated.

Based on the information we have seen and evaluated, we confirm the following statement:

Reporting period: 01/11/2019 to 31/12/2020 (inclusive of both date)

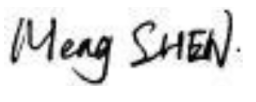
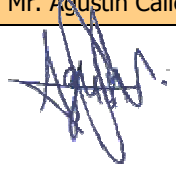
Verified emissions in the above reporting period:

Leakage emissions	0 tCO ₂ e equivalents
Project emissions	0 tCO ₂ e equivalents
Baseline emissions	45,880 tCO ₂ e equivalents
Emission reductions	45,880 tCO ₂ e equivalents

Date: 13/05/2021
Lead Auditor: Mr. Pankaj Kumar
Tech. Expert: Mr. Pankaj Kumar
Tech. Reviewer: Mr. Simon Shen

Approver (*Applus+ Certification VVB Technical Manager*)

Mr. Agustín Calle de Miguel

ASSESSMENT TEAM	
Team Leader Mr. Pankaj Kumar	Technical Reviewer: Mr. Simon Shen
Signature: 	Signature: 
Approver: Mr. Agustín Calle de Miguel	
Signature: 	

Appendix 1: Corrective Action Request/Clarification Request/Forward Action Request resolution table

Type:	☒ CAR ☐ CL/CR ☐ FAR	Number:	01
Raised by:	Pankaj Kumar	Ref. to checklist in above tables:	
Description of the audit finding	Date: 08/04/2021		
1. The value of SDG 8 i.e. no. of persons employed and no. of trainings imparted, is not consistent throughout the MR. PP is requested to state the correct value along with supporting evidences for monitoring the contribution to SDG 8. 2. PP shall provide commissioning certificates for review.			
Project Participant's response	Date: 19/04/2021		
The value of SDG 8 i.e. no. of persons employed and no. of trainings imparted has been revised to make consistent throughout the MR. Supporting evidence of SDG 8 – employment records have been provided Commissioning certificates have been provided			
Documentation provided as evidence by Project Participant			
GS4GG MR v02 Commissioning Certificate of WTGs Employment records			
Auditor's assessment comment	Date: 11/05/2021		
1. PD has now corrected the value of SDG 8 in the revised MR Ver. 02 dated 19/04/2021 and submitted requisite supporting documents to the VVB. The same is found correct and appropriate. Hence, comment closed. 2. PP has provided commissioning certificates of WTGS, which was checked by VVB and confirmed to be correct. Comment closed.			

Type:	☒ CAR ☐ CL/CR ☐ FAR	Number:	02
Raised by:	Pankaj Kumar	Ref. to checklist in above tables:	
Description of the audit finding	Date: 08/04/2021		
The Section C of MR suggests the project is a solar power project and its location in the state of Karnataka and Karnataka which is incorrect as per the PDD. PP shall clarify and revise MR accordingly			
Project Participant's response	Date: 19/04/2021		
Section C of MR has been revised with the correction in project technology and project location.			
Documentation provided as evidence by Project Participant			
GS4GG MR v02			
Auditor's assessment comment	Date: 11/05/2021		
PD has now corrected the project location and project technology in the section C of the revised MR Ver. 02 dated 19/04/2021. The same is found correct. Hence, comment closed			

Type:	☒ CAR ☐ CL/CR ☐ FAR	Number:	03
Raised by:	Pankaj Kumar	Ref. to checklist in above tables:	
Description of the audit finding	Date: 08/04/2021		

1. In section D.1, the weblink for CO ₂ Baseline Database CEA Version 14, Dec 2018 is not working. PP is requested to provide functional weblink in the footnote. 2. PP shall provide JMRs/ Invoices for entire monitoring period along with calibration certificates of energy meters. 3. PP shall also provide pay slips/ employee roll/ attendance register and training records for SDG 8 impacts for this monitoring period.		
Project Participant's response	Date:	19/04/2021
1. The weblink for CO ₂ baseline database CEA Version 14.0 Dec 2018 has been revised in footnote in section D.1` 2. All JMRs (Form -Bs) and invoices for the entire period covering the monitoring period have been provided to Verification Team 3. Employment records and training records for SDG 8 impacts for this monitoring period have been provided		
Documentation provided as evidence by Project Participant		
1. GS4GG MR v02 2. Form-Bs /Invoices 3. Training records/employment records		
Auditor's assessment comment	Date:	11/05/2021
1. PD has now provided weblink in the revised MR Ver. 02 dated 19/04/2021. Hence, comment closed. 2. PP has provided copies of JMR and invoices for the entire period covering the monitoring, which was checked by VVB and confirmed to be correct. Comment closed. 3. PP has provided Employment records and training records for SDG 8 impacts for this monitoring period, which was checked by VVB and confirmed to be correct. Comment closed.		

Appendix 2: Calibration details of monitoring meters

Serial No & Type	Make	Accuracy Class	Calibration Date	Validity
18015377 (Main meter)	L&T	0.2 s	23/02/2018	22/02/2023
18015378 (check meter)	L&T	0.2 s	23/02/2018	22/02/2023

Considering the dates of calibration of meters, it can be concluded that there has been no delay in calibration of meters.

Appendix 3: Audit Team CVs

Name	SHORT CV. BACKGROUND INFORMATION
Mr. Pankaj Kumar	Mr. Pankaj Kumar has done M. Sc in Environment Management from Forest Research Institute, Dehradun and B. Sc. (Hons.) in Environment & Water Management from Magadh University, Bihar, India. He has also done Post Graduate Diploma in Environmental Law from NLSIU, Bangalore. He has more than 12 years of working experience in GHG Assessments and has participated during his career in Agencies and DOEs like MITCON, Agrinergy, Carbon Check and is empanelled with Applus+ Certification since 2015 for the performance of CDM/VCS/GS project assessments. He has extensive experience in the Renewable, Waste Management and Energy Demand Scopes of UNFCCC CDM and has done more than 100 Validations and Verifications of PAs and PoAs as Lead Auditor, Technical Expert and Technical Reviewer, mainly in Asia, Africa, USA, Asia Pacific and Americas under CDM, Verified Carbon Standard, Gold Standard & Social Carbon Standard, Brazil. He is an experienced, qualified and result oriented Environment and climate change professional having 16 yrs. of relevant experience in Climate Change (Mitigation & Adaptation), Environmental Due Diligence, Disaster Risk Reduction, Climate finance, adaptation planning, capacity building, validation and verification of GHG project. He can also provide technical support for environmental investigative, remedial projects involving air, water and soil, Waste management, EIA, Environmental Compliance, ISO 14001, OHSAS 18001, GHG accounting (ISO 14064) and Carbon foot printing.
Mr. Simon Shen	Mr. Simon Shen (Master's Degree in Thermal Energy Engineering, Bachelor's Degree in Environmental Engineering) is an Auditor appointed by Applus+ LGAI for the GHG project assessment, auditing and technical review. He has more than 6 years of work experience in CDM/GS4GG/VCS project assessment and review with Applus+, apart from the years of experience working as GHG Auditor and ISO 9001/14001 in TUV SUD for 3.5 years before he joined Applus+. Mr. Simon Shen has extensive experience also as former Applus+ Shanghai CDM Technical Manager.