NATURELINK SOLUTIONS PRIVATE LIMITED

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Verification Report

UCR ID: 159



Title	**2.1 MW Small Scale Wind Power Project in Rajkot by M/S CTX Life Sciences Pvt. Ltd.**
Project Proponent	**M/S CTX Life Sciences Pvt. Ltd**
Project Location	**Survey No. 92P18P1. Village - Piplana, Dist. Rajkot, Gujarat, India**
Verified By	**Mr. Shardul Amin,** **Lead Verifier,** **Email: audit@thenaturelink.in,** **Contact: +91- 7574804497,** **Naturelink Solutions Pvt. Ltd.**
Date	**30/01/2023**

COVER PAGE Project Verification Report Form (VR)	
BASIC INFORMATION	
Name of approved UCR Project Verifier / Reference No.	Naturelink Solutions Pvt. Ltd
Type of Accreditation	☐ CDM Accreditation ☐ ISO 14065 Accreditation ☒ UCR Approved Verifier
Approved UCR Scopes and GHG Sectoral scopes for Project Verification	Sectoral Scope: 01 Energy Industries
Validity of UCR approval of Verifier	May - 2022 onwards
Completion date of this VR	30/01/2023
Title of the project activity	2.1 MW Small Scale Wind Power Project in Rajkot by M/s CTX Life Sciences Pvt. Ltd.
Project reference no. (as provided by UCR Program)	159
Name of Entity requesting verification service	Creduce Technologies Private Limited (Aggregator)
Contact details of the representative of the Entity, requesting verification service (Focal Point assigned for all communications)	Shailendra Singh Rao Mobile: +91-9016850742 Address: 2-O-13,14 Housing Board Colony, Banswara, Rajasthan - 327001, India.
Country where project is located	India

Applied methodologies	AMS-I.D.: "Grid connected renewable electricity generation", version 18
Project Verification Criteria: Mandatory requirements to be assessed	☒ UCR Verification Standard ☒ Applicable Approved Methodology ☐ Applicable Legal requirements /rules of host country ☒ Eligibility of the Project Type ☒ Start date of the Project activity ☒ Meet applicability conditions in the applied methodology ☒ Credible Baseline ☒ Do No Harm Test ☒ Emission Reduction calculations ☒ Monitoring Report ☒ No GHG Double Counting ☐ Others (please mention below)
Project Verification Criteria: Optional requirements to be assessed	☒ Environmental Safeguards Standard and do-no-harm criteria ☐ Social Safeguards Standard do-no-harm criteria
Project Verifier's Confirmation: The *UCR Project Verifier* has verified the UCR project activity and therefore confirms the following:	The UCR-approved verifier Naturelink Solution Pvt. Ltd., certifies the following with respect to the UCR Project Activity "2.1 MW Small Scale Wind Power Project in Rajkot by M/s CTX Life Sciences Pvt. Ltd." ☒ The project aggregator has correctly described the project activity in the Project Concept Note (dated 21/05/2022) including the applicability of the approved methodology A.M.S I. D and meets the methodology applicability conditions and has achieved the estimated GHG emission

	reductions, complies with the monitoring methodology and has calculated emission reductions estimates correctly and conservatively. ☒ The project activity is likely to generate GHG emission reductions amounting to the estimated **31165** tCO_2e, as indicated in the monitoring report, which are additional to the reductions that are likely to occur in absence of the Project Activity and complies with all applicable UCR rules, including ISO 14064-2 and ISO 14064-3. ☒ The project activity is not likely to cause any net-harm to the environment and/or society ☒ The project activity complies with all the applicable UCR rules and therefore recommends UCR Program to register the Project activity with above mentioned labels.
Project Verification Report, reference number and date of approval	Verification Report UCR Project ID: 159 Date: 30/01/2023
Name of the authorised personnel of UCR Project Verifier and his/her signature with date	 Mr. Shardul Amin Lead Verifier Naturelink Solution Pvt. Ltd. Date: 30/01/2023

Project Verification Report

A. Executive Summary

The verification work has been contracted by project aggregator Creduce Technologies Pvt Ltd to perform an independent verification of its UCR project titled **"2.1 MW Small Scale Wind Power Project in Rajkot by M/s CTX Life Sciences Pvt. Ltd. UCR approved project ID:159**, to establish number of CoUs generated by project over the crediting period from 27/04/2015 to 31/12/2021 (both days included).

Verification for the period : 27/04/2015 to 31/12/2021

In my opinion, the total GHG emission reductions over the crediting / verification period stated in the Monitoring Report (MR), submitted to me is found to be correct and in line with the UCR guidelines. The GHG emission reductions were calculated on the basis of UCR Protocols which draws reference from, Standard Baseline, AMS. I. D – Grid connected renewable electricity generation (Version 18.0). As per the UCR guidelines, the verification was done remotely by way of video calls, phone calls and submission of documents for verification through emails.

I am able to certify that the emission reductions from the 2.1 MW Small Scale Wind Power Project in Rajkot by M/s CTX Life Sciences Pvt. Ltd. (UCR ID – 159) for the period 27/04/2015 to 31/12/2021 amounts to **31165** CoUs (**31165** tCO_2e).

Objective

The objective of the verification is to

- Ensure that the project activity has been implemented and operated as per the registered PCN 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 UCR standards;
- Ensure that the actual monitoring systems and procedures comply with the monitoring systems and procedures described in the monitoring plan and the approved methodology.

Scope

The scope of the verification is the independent, objective review and ex-post determination of the monitored reductions in GHG emission by the project participant.

1. The quality of data management and records of underlying data.
2. Completeness and accuracy of calculations and baseline emission reports.
3. Proper inclusion and documentation of all project locations,
4. Correct application of offset rules for filling Baseline Period data gaps.
5. Other data, methods, and procedures deemed necessary to establish the accuracy of emission reductions.

6. Agreement stating assurance to avoid double accounting for the project to be verified, along with required proof.

The project is assessed against the requirements of the UCR programme verification Guidance Document, UCR Standard, UCR Programme Manual and related rules and guidelines. Due professional care has been exercised and ethical conduct has been followed by the assessment team during the verification process. The verification report is a fair presentation of the verification activity. The validation of the project is not part of the present assignment and projects are deemed validated post-registration by UCR.

Description of the Project

The project activity is a renewable power generation activity which incorporates installation and operation of the Wind Turbine Generator (WTG) having a capacity of 2100 kW manufactured and supplied by Suzlon Energy Limited in the Rajkot district of the state of Gujarat in India. The details of the project activity are verified with the project report, invoices and commissioning certificate copy submitted for verification.

WTG ID	Capacity (MW)	Pinpoint Location
SEL/2100/14-15/3591	2.1	22°08'20.8"N 70°52'33.6"E

Technical specification of the installed wind turbine is tabulated below,

Parameter	**S97-90M**	
Operating Data	Wind Class	IEC IIIA
	Rated Power	2,100kw
	Cut-in Wind Speed	3.5 m/s
	Rated Wind Speed	11 m/s
	Cut-out Wind Speed	20 m/s
Rotor	Rotor Diameter	97 m
	Swept Area	7,386 m^2
Generator	Frequency	50 / 60 Hz
	Type	Asynchronous 3 phase induction generator with slip ring operated with rotor circuit inverter system (DFIG)
Tower	Hub Height	90 m
	Type	Tubular Steel Tower / Hybrid Lattice - tubular

Blade	Suzlon Make	SB47

As mentioned in the Monitoring report and emission reduction calculation sheet submitted for the verification, the project replaces anthropogenic emissions of greenhouse gases (GHGs) estimated to be approximately **31165 tCO_2e** for the said period under verification, there on displacing **34631 MWh** amount of electricity from the generation mix of power plants connected to the Indian electricity grid, which is mainly dominated by the fossil-fuel based power plant.

The project activity is a grid-connected renewable energy generation project having a capacity of less than 15 MW. The project is a small-scale activity. The methodology applied in the monitoring report is verified against the A.M.S I. D "Grid connected renewable electricity generation" version 18.0.

Verified total emission reductions (ERs) achieved through the project activity during the monitoring period is summarised below:

Summary of the Project Activity and ERs Generated for the Monitoring Period	
Start date of this Monitoring Period	27/04/2015
Carbon credits claimed up to	31/12/2021
Total ERs generated (tCO_2e)	**31165** tCO_2e
Leakage Emission	0
Project Emission	0

B. Project Verification team, technical reviewer and approver:

Sr. No.	Role	Last name	First name	Affiliation	Involvement in		
					Doc review	Off-Site inspection	Interviews
1.	Lead Verifier & Technical Expert	Amin	Shardul	Lead Verifier, Naturelink Solutions Pvt Ltd. (UCR Approved Verifier)	Yes	No	Yes

C. Means of Project Verification

C.1 Desk/document review

The project documents submitted to UCR approved verifier Naturelink Solution Pvt. Ltd. was reviewed by the technical expert and validated by the lead verifier. The documents reviewed

involves verification of the legal status of individual project owner for consistency, project related documents like installation and commissioning of equipment used in project activity, environmental clearances from state or central pollution control board consent to establish and operate, monitoring related meters/parameters equipment measuring instruments and their calibration records, to establish running of equipment for the crediting period, etc.

The PCN is made available to the verifier post approval by UCR which is considered as validated documents and the content of validated PCN is considered a record wherever required. Further, the communication agreement made between the project owner and project aggregator is a document of the UCR registry hence the project aggregator is treated as an authorized representative of the project owner. All the documents submitted by the project aggregator to the verifier are treated as documents submitted on behalf of the project owner.

The list of submitted documents is available in a subsequent section of this verification report under the section “Document reviewed or referenced”-section I.

C.2 On-Site inspection- Not applicable.

Date of off-site inspection: DD/MM/YYYY to DD/MM/YYYY	Not applicable as per UCR guideline site visit not conducted for this verification activity.		
No.	**Activity performed Off-Site**	**Site location**	**Date**

C.3 Interviews: Telephonic and mail.

As per UCR guidelines, the site visit was not conducted during the course of verification and only interviews are conducted.

No.	**Interview**			**Date**	**Subject**
	Last name	**First name**	**Affiliation**		
1.	Agravat	Rajesh	Project In-charge, CTX Lifesciences Pvt. Ltd	27/12/2022, 23/01/2023	Meter calibration, project activities and overview.

C.4 Clarification request (CLs), corrective action request (CARs) and forward action request (FARs) raised

Areas of Project Verification findings	No. of CL	No. of CAR	No. of FAR
Green House Gas (GHG)			
Identification and Eligibility of project type	NIL	NIL	NIL
General description of project activity	NIL	NIL	NIL
Application and selection of methodologies and standardized baselines	--	--	--
• Application of methodologies and standardized baselines	NIL	NIL	NIL
• Deviation from methodology and/or methodological tool	NIL	NIL	NIL
• Clarification on applicability of methodology, tool and/or standardized baseline	NIL	NIL	NIL
• Project boundary, sources and GHGs	NIL	NIL	NIL
• Baseline scenario	NIL	NIL	NIL
• Estimation of emission reductions or net anthropogenic removals	NIL	1	NIL
• Monitoring Report	NIL	NIL	NIL
Start date, crediting period and duration	NIL	NIL	NIL
Environmental impacts	NIL	NIL	NIL
Project Owner- Identification and communication	NIL	NIL	NIL
Others (please specify)	NIL	NIL	NIL
Total	NIL	1	NIL

D. Project Verification findings

D.1 Identification and eligibility of project type

Means of Project Verification	The project has taken the reference of CDM methodology AMS-I D, version 18 Grid Connected Renewable Electricity Generation.
Findings	1. Project activity is described through UCR-approved PCN. 2. UCR project communication agreement clearly defines the Project Proponent and Project Aggregator.
Conclusion	The UCR-approved format is used for description and the project meets the requirement of the UCR verification standard and UCR project standard. UCR project communication agreement was submitted to the verifier and the same has been verified. Methodology referenced and applied appropriately describing the project type. The eligibility of the project aggregator is verified using the UCR communication agreement, Project correctly applies the verification standard, UCR project standard, and UCR regulations. The project activity is overall meeting the requirements of the UCR Verification standard and UCR project standard.

D.2 General description of project activity

Means of Project Verification	The project activity involves the operation of a 2.1 MW of small-scale wind power project and its commissioning date was verified through the commissioning certificate of the project. The power evacuation at the substation is confirmed by the Certificate for Share of Electricity.
Findings	1. Project Commissioning date is mentioned in the commissioning certificate. 2. Turbine Capacity is the same as mentioned in the commissioning certificate provided by GEDA. 3. Project implementation and sale of energy abide by the wheeling agreement. Further details are provided in project description section.

Conclusion	The description of the project activity is verified to be true based on the review of PCN, MR, Commissioning Certificate, and Purchase Order Copies.

D.3 Application and selection of methodologies and standardized baselines

D.3.1 Application of methodology and standardized baselines

Means of Project Verification	The project has taken the reference of CDM methodology A.M.S I.D. CDM website is referred to check the latest version of the methodology. For the applicability mentioned in the PCN and MR, turbine Specification, and commissioning certificate.
Findings	The methodology applied is applicable to the project activity as the project is supplying electricity to the national grid.
Conclusion	The methodology applied is appropriate for meeting the requirements of UCR and its standardized baseline. The methodology version is correct and valid. The referenced methodology is applicable to project activity.

D.3.2 Clarification on applicability of methodology, tool and/or standardized baseline

Means of Project Verification	The documents reviewed are A.M.S I. D “Grid connected renewable electricity generation” version 18, UCR Program standard, and UCR Verification Standard.
Findings	The emission factor (=0.9 tCO_2/MWh) is taken as per the UCR standard.
Conclusion	The emission factor considered for the calculation of the emission reductions is verified with the UCR Program Standard. The total installed electrical energy generation capacity of the project equipment does not exceed 15 MW thus meeting the requirement of small-scale projects.

D.3.3 Project boundary, sources and GHGs

Means of Project Verification	Letter from CPCB dated 07/03/2016 No. B-29012/ESS(CPA)/2015-16. PCN section B.4.

Findings	Project boundary is appropriately defined in PCN which is the physical and geographical site of the powerhouse.
Conclusion	The project boundary is correctly defined in the revised PCN version 01. GHG source correctly identified and reported. The project meets the requirements of UCR project standard, Verification standard and methodology requirements for a boundary, and GHG source.

D.3.4 Baseline scenario

Means of Project Verification	MR Section C.5 and General Project Eligibility Criteria and Guidance, UCR Standard.
Findings	None
Conclusion	The baseline scenario is appropriately described as in the absence of project activity, the equivalent amount of energy would come from fossil fuel-based power plant.

D.3.5 Estimation of emission reductions or net anthropogenic removal

Means of Project Verification	Certificate For Share of Electricity, and General Project Eligibility Criteria and Guidance, calibration report, and UCR Standard, page 4.
Findings	CAR 1 was issued as the meter is not calibrated for the year 2015.
Conclusion	CAR 1 is closed as the emission reductions are trimmed as mentioned below for the delayed calibration period. A certificate for a share of electricity is considered as an acceptable document to check actual energy generation for each month. A copy of the sample has been cropped and attached for reference purposes. The meter with serial number, XC 562253 is not calibrated and hence the emission reductions are trimmed for the period of April, 2015 to June 2016. As per CDM, EB52 report, annex-60, page -1; clause 4 for delayed calibration the emission reduction should be trimmed by the maximum permissible error of the instrument. The CoUs are trimmed by applying - 0.2% error to export units and +

	0.2% to import units. The details are attached in annexure 3 for reference. The Calibration reports are verified with the available serial number of meters. The errors are within permissible limits. The calculated baseline emission for each vintage year of crediting period is rounded down as per UCR standard.

D.3.6 Monitoring Report

Means of Project Verification	Certificate for share of electricity, power purchase agreement, and general project eligibility criteria and guidance, UCR standard, page 4, Meter calibration report. Energy Meter Photos installed at each wind turbine. 
Findings	**WTG Location** / **Energy meter sr. no** / **Calibration Date** **SRD - 20** / XC562253 / 04/06/2016,06/12/2017, 15/02/2019 and 19/01/2021
Conclusion	The emission reduction is calculated conservatively and meters are calibrated as per the GERC Electricity Supply Code and Related Matters Regulations Notification No. 4 of 2015 and CEA Central

	Electricity Authority (Installation and Operation of Meters) (Amendment) Regulations, 2019 guideline. As per Central Electricity Authority (Installation and Operation of Meters) (Amendment) Regulations, 2019 clause 14 (i)-b "All Interface Meters shall be tested on-site using accredited test laboratory for routine accuracy testing at least once in five years and recalibrated if required.". The meters are calibrated, and errors are within permissible limits.

D.4 Start date, crediting period and duration

Means of Project Verification	PCN and MR, Purchase order of turbine and technical Specification sheet, Commissioning certificate, and Detailed Project Report documents were referred.
Findings	Declared information is correct and verified. Start Date of crediting period – 27/04/2015 Crediting period – 27/04/2015 to 31/12/2021
Conclusion	The start date, crediting period and project duration are reported correctly and this meets the requirements of the UCR verification standard and UCR project standard.

D.5 Positive Environmental impacts

Means of Project Verification	PCN and MR
Findings	None.
Conclusion	The project is a renewable energy project and reduces the environmental burden by reducing the dependence on fossil fuel-based power plants.

D.6 Project Owner- Identification and communication

Means of Project Verification	PCN, Communication Agreement, MR, Purchase order of Turbine, Commissioning certificate, Power Purchase Agreement.
Findings	The declared information is correct and verified.

Conclusion	The project owner was identified through a communication agreement signed between PP and PA. Equipment purchase order and commission verified. Also, a legal document like Power Purchase Agreement clearly establishes the project owner. The identification and communication correctly meet the requirement of project verification and UCR project standard.

D.7 Positive Social Impact

Means of Project Verification	The project has provided temporary employment to local people during its installation and commissioning. Also, post commissioning some of the people have been employed permanently and local people were engaged leading to social and financial benefits to the surrounding. Overall social impact of project implementation is positive in the surrounding area.
Findings	--
Conclusion	The project has an overall positive social impact.

D.8 Sustainable development aspects (if any)

Means of Project Verification	Not Applicable
Findings	--
Conclusion	The Project has capability to address SDG 7 Affordable and Clean Energy and SDG 13 Climate Action

E. Internal quality control:

- Due professional care has been taken while reviewing the submitted document.
- There is no conflict of interest as the verifier has no other engagement with either aggregator or project owner directly or indirectly.
- Verification team consists of experienced personnel.
- Technical review is performed by an experienced and independent person.

F. Project Verification opinion:

Considering the above-mentioned verification conducted on the basis of UCR Protocol, which draws reference from UCR Protocol Standard Baseline, AMS.I.D – Grid connected renewable electricity generation (Version 18.0), the documents submitted during the verification including the data, PPA, Purchase order, Calibration Report, Commissioning Certificate, Project Concept Note (PCN), Monitoring Report (MR), I am able to certify that the emission reductions from the project - 2.1 MW Small Scale Wind Power Project in Rajkot by M/s CTX Life Sciences Pvt. Ltd. (UCR ID – 159) for the period 27/04/2015 to 31/12/2021 amounts to **31165 CoUs (31165 tCO_2e).**

G. Abbreviations

Abbreviations	Full texts
UCR	Universal Carbon Registry
CPCB	Central Pollution Control Board
DGVCL	Daxin Gujarat Vij Company Limited
GETCO	Gujarat Energy Transmission Corporation
GERC	Gujarat Electricity Regulatory Commission (GERC)
GEDA	Gujarat Energy Development Authority
CEA	Central Electricity Authority
MR	Monitoring report
PCN	Project Concept Note
VR	Verification Report
VS	Verification Statement
DAA	Avoidance of Double Accounting Agreement
COD	Commercial Operation Date
PP/PO	Project Proponent / Project Owner
PA	Project Aggregator
PPA	Power Purchase Agreement
ER	Emission Reduction
CoUs	Carbon offset Units.
tCO_2e	Tons of Carbon Dioxide Equivalent
kWh	Kilo-Watt Hour
MWh	Mega-Watt Hour
kW	Kilo-Watt
MW	Mega-Watt
CDM	Clean Development Mechanism

SDG	Sustainable Development Goal
CAR	Corrective Action Request
CL	Clarification Request
FAR	Forward Action Request
GHG	Green House Gas
WTG	Wind Turbine Generator

H. Competence of team members and technical reviewers

No.	Last name	First name	Affiliation	Technical Competence
1.	Amin	Shardul	Lead Verifier	Mr. Shardul Amin is post graduate having more than 5 years of experience in the field of waste to energy, thermochemical conversion technologies and emission study.

I. Document reviewed or referenced

No.	Author	Title	Provider
1	UCR	Communication Agreement	PA
2	Creduce	Project Concept Note	PA
3	Creduce	Monitoring Report	PA
4	Creduce	Avoidance of double accounting	PA
5	Creduce	Emission Reduction Excel	PA
6	GETCO & PP	Certificate For Share of Electricity (2015- 2021)	PA
7	GEDA	Commissioning Certificate	PA
8	DGVCL & PP	Wheeling Agreement	PA
9	PP	Purchase order of Turbine	PA
10	PP	Purchase order of Generator	PA
11	GERC & PP	Electricity Supply Code and Related Matters Regulations Notification No. 4 of 2015	PA
12	CEA	Central Electricity Authority (Installation and Operation of Meters) (Amendment) Regulations, 2019	-

13	Bharti Automation Pvt. Ltd	Energy meter calibration report	PA

J. Clarification request, corrective action request and forward action request

Table 1. CLs from this Project Verification

CL ID		**Section no.:**	Monitoring Report	**Date:**
Description of CL				
Project Owner's response				**Date:**
Documentation provided by Project Owner				
UCR Project Verifier assessment				**Date:**

Table 2. CARs from this Project Verification

CAR ID	01	**Section no.**	D.3.5 Estimation of emission reductions or net anthropogenic removal	**Date:** 04/01/2023
Description of CAR				
Meter with sr. no XC 562253 was not calibrated for the year 2015.				
Project Owner's response				**Date:** 06/01/2023
Calibration report is not available for the year 2015				
Documentation provided by Project Owner				
None.				
UCR Project Verifier assessment				**Date:** 30/01/2023
The emission reduction was trimmed as per the CDM guideline for the delayed calibration or the period for which meters are not calibrated.				

Table 3. FARs from this Project Verification

FAR ID		**Section no.**		**Date:**
Description of FAR				
Project Owner's response				**Date:**
Documentation provided by Project Owner				

ANNEXURE I: Photographs of the Power Plant





Figure-1: Project Activity

ANNEXURE II: Certificate for Share of Electricity Sample Copies and Commissioning Certificate

GETCO
GUJARAT ENERGY TRANSMISSION CORPORATION LIMITED

STATE LOAD DISPATCH CENTRE, GOTRI, VADODARA

Telephone No.(0265)2352103/2322207, Fax No. 2352019/2322204, email : sldcabt@gebmail.com

No. GETCO/SLDC/COMM/WEG/15-16/4329 Date: 18th May'2015

Page 1 of 1

CERTIFICATE FOR SHARE OF ELECTRICITY GENERATED BY WIND FARM AT 66KV RAJAPARA(SARDHAR) FOR THE MONTH OF APRIL'2015.

(A)	ELECTRICITY GENERATION BY WIND FARM		
1	Period Considered for Month of April'15	01-Apr'15 to 30-Apr'15	
2	Active Energy Received at 66KV Rajapara(Sardhar) S/S from wind Farm	NET Received	
		10609.015	Mwh
3	Reactive Energy Supplied to Wind Farm from 66KV Rajapara(Sardhar)S/S	533.400	Mvarh

(B) SHARE OF WIND FARM OWNER IN THE ELECTRICITY RECEIVED AT Rajapara(Sardhar)S/S

Sr. No	Name of Wind Farm Owner.	Installed Capacity (in MW)	Share in NET Active Energy (in Mwh)	Share in Reactive Energy (in Mvarh)
1	Gujarat State Fertilizers & Chemicals.Ltd,Vadodara	29.400	6284.512	318.289
2	Gujarat Alkalies & Chemicals.Ltd,Vadodara	10.500	2061.404	103.077
3	Gujarat Alkalies & Chemicals Ltd,Vadodara	10.500	2260.556	111.911
4	CTX Life Sciences Pvt.Ltd,Surat	2.100	2.543	0.123
	TOTAL	52.500	10609.015	533.400

(C) CONSIDERATIONS FOR ISSUING ABOVE STATEMENT

1. Active Energy received at66KV Rajapara(Sardhar) S/S substation is computed by summation of net energy recorded in Special Energy (ABT) meter in every 15 minute basis. The detail computation of active energy is carried out by SLDC and block wise computation and meter data is published on website.
2. Reactive energy supplied to Wind Farm from 66KV Rajapara(Sardhar)S/S is computed as per the conventional Tariff Meters. The detail computation of reactive energy is carried out by GEDA and circulated by them to all wind owners in advance.
3. Share of wind Farm in the electricity received at Interface point of 66KV Rajapara(Sardhar)S/S is computed by GEDA on the basis of energy generation recorded on each wind energy generation during the period spedicified as above.
4.

Reactive Energy Supplied to Wind Farm	As on 30.04.2015	As on 01.04.2015	Difference in Mvarh.
Mvarh Imp. Lag.....TR-1	0.014	0.014	0.000
Mvarh Exp. Lead.....TR-1	2.441	2.248	270.200
Mvarh Imp. Lag.....TR-2	0.009	0.009	0.000
Mvarh Exp. Lead.....TR-2	2.925	2.737	263.200
TOTAL....			533.400

5. After careful consideration of various representation received before SLDC-Gujarat, SLDC has issued this statement for intermediate period to circumvent difficulties faced by various wind owners. This will be continued till the revised mechanism is in place. The any change in procedure will be communicated seperately.
6. **SLDC has certified net Actual Energy injection for the pooling station covered under RRF mechansim as per the Hon'ble CERC order dated 07th January'14 in Suo-Motu Petition No. 356/SM/ 2013 "suspended the commercial mechanism specified in approved procedure for RRF mechanism".**

(D) CERTIFICATE

This is to certify that energy generated by Wind Turbine Generators as specified in Para "A"and received at 66KV Rajapara(Sardhar) Substation during the month of **Apr'2015** at the period specified as above i.e. NET Energy is **10609.015 MWh** and shared by wind farm owners as mentioned in Para (B). This certificate is issued by SLDC as per submission of GEDA and for the purpose of settlement between distribution licensee, wind farm owners supplying energy and consumers receiving such energy.

Signature :
Name : B.B.Mehta
Designation : Chief Engineer

Figure-2: Share of electricity certificate April 2015

GETCO
GUJARAT ENERGY TRANSMISSION CORPORATION LIMITED

State Load Despatch Centre-Gotri, Vadodara-390 021
Fax: 0265-2352019 Phone: 0265-2352103/2322206 Email : sldcabtcomm@gmail.com

No: SLDC/Comm./WEA/2021-22/DEC/REV0/1,937 Date:13-01-2022

CERTIFICATE FOR SHARE OF ELECTRICITY GENERATED BY THE WIND FARM AT 66KV RAJPARA (SARDAR), SUZLON FOR THE MONTH OF DECEMBER'2021

(A)	ELECTRICITY GENERATED BY THE WIND FARM		
1	Period Considered for the month of DECEMBER'2021	01-December-21 to 31-December-21	
2	Active Energy Received From **66KV RAJPARA (SARDAR), SUZLON** wind Farm	13404.107	Mwh
3	Reactive Energy Supplied to **66KV RAJPARA (SARDAR), SUZLON** wind Farm	123.200	Mvarh

(B) SHARE OF WIND FARM OWNER IN THE ELECTRICITY RECEIVED AT 66KV RAJPARA (SARDAR), SUZLON S/S

Sr No	Name of Wind Farm Owner.	DISCOM Allocation	Installed Capacity(MW)	Share in Active Energy (Mwh)	Share in Reactive Energy (Mvarh)
1	Gujarat State Fertilizers & Chemicals Ltd., Vadodara.	MGVCL	29.400	5593.686	51.092
2	Gujarat Alkalies & Chemicals Ltd,Vadodara(SRD-26,29,30,31,32)	DGVCL	10.500	2289.987	24.972
3	Gujarat Alkalies & Chemicals Ltd,Vadodara(SRD-24,25,27,33,34)	DGVCL	10.500	2070.793	19.751
4	CTX Life Sciences Pvt. Ltd. Surat	DGVCL	2.100	561.345	4.058
5	Hindustan Gum & Chemical Ltd. Hariyana	UGVCL	2.100	499.089	4.996
6	T.T Industries. New Delhi.	PGVCL	2.100	460.837	3.794
7	LINCOLN PHARMACEUTICALS LTD., AHMEDABAD	UGVCL	2.100	472.894	4.752
8	Veer Industries,Rajkot	GUVNL	2.100	479.672	3.826
9	Esdee Paints Limited	UGVCL	1.932	464.686	2.356
10	Esdee Paints Limited	TAECO	0.168	40.407	0.205
11	General Petrochemicals Ltd	DGVCL	2.100	470.711	3.398

Figure-3: Share of electricity certificate Dec 2021

GEDA
ગુજરાત ઊર્જા વિકાસ એજન્સી
GUJARAT ENERGY DEVELOPMENT AGENCY
A Government of Gujarat Organisation

Vibrant GUJARAT 2015 11-13 Jan.
The Global Business Hub | 7th Global Summit

Ref:- GEDA/PWF/SGWPL-CTX/Sardhar//2015-16/ 605 **Date:-** 14/05/2015

CERTIFICATE OF COMMISSIONING

This is to certify that **M/s CTX Life Sciences Pvt. Ltd, Block No – 251-252, Sachin, Surat – 394230, Gujarat, India** have commissioned **2.10 MW** capacity wind farm consisting of **1 (One) number** of new wind turbine generator as per the WTG ID no. and date of commissioning given below and locations as shown in micrositing drawing enclosed herewith.

Make of each Wind Turbine Generator (WTG)	: **Suzlon**
Capacity of each Wind Turbine Generator	: 2100 kW
No. of Wind Turbine Generator/s	: One
Total capacity of the Windfarm	: 2.10 MW
Site of installation	: Govt. Land Survey no. 92p18p1, Village:-Piplana, Ta: Kotdasangani, Dist: - Rajkot.
WTG ID number	: SEL/2100/14-15/3591

This windfarm is connected by 33/66 kV, grid line to Rajpra (Sardhar) site Sub-station (33/66 KV, 25 MVA) capacity at Rajpra (Sardhar). The Rajpra (Sardhar) site Substation is connected to GETCO Hadmatla substation.

Electricity generation report for the purpose of commissioning of windfarm

Sr. no.	WTG No.	Date	Time (Hrs.)		Meter (kWh)		
			From	To	Initial	Final	Difference
1	**SEL/2100/14-15/3591**	**27.04.2015**	**14.00**	**14.15**	**1321**	**1467**	**146**
						Total:→	**146**

For Gujarat Energy Development Agency

(S. B. Patil)
Dy. DIRECTOR

Enclosed: - Annexure I Copy of approved micrositing drawing

ચોથો માળ, બ્લોક નં. ૧૧ અને ૧૨ ઉદ્યોગભવન
સેક્ટર-૧૧, ગાંધીનગર - ૩૮૨ ૦૧૭.
4th Floor, Block No. 11-12, Udhyogbhavan,
Sector-11, Gandhinagar-382017. India.
Ph. : 079-232 57251-53
Fax : +91 79 232-47097, 57255
e-mail : director@geda.org.in
www.geda.gujarat.gov.in

Figure-4: Commissioning Certificate

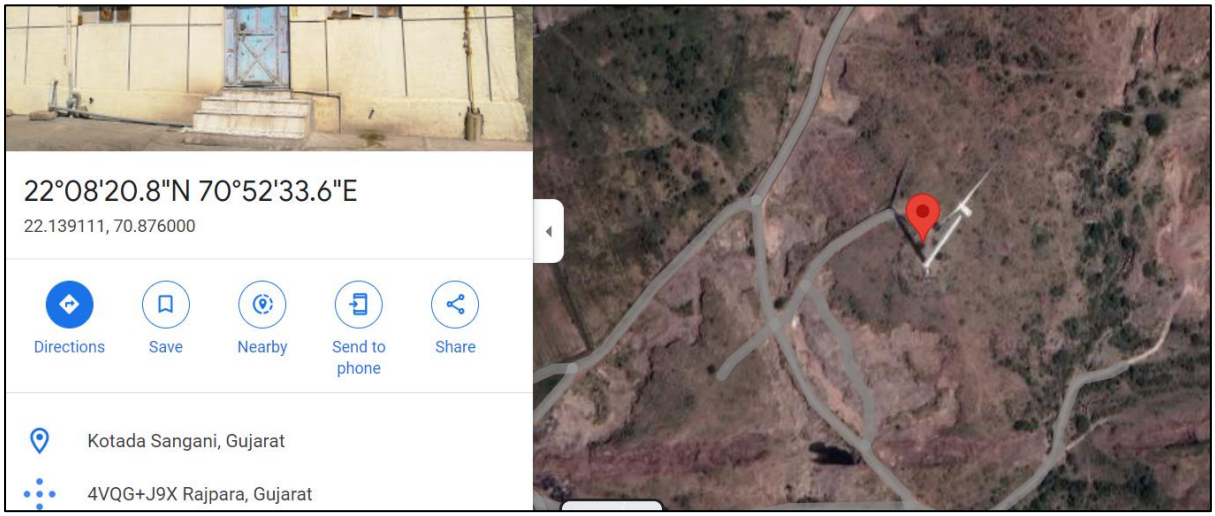


Figure-5: Google Map photo of WTG 3591.

ANNEXURE - III: Revised emission reduction considering the delayed calibration

Year	MWh as per the SLDC	Trimmed MWh including the delayed calibration	EF (tCO2e/MWh)	CoUs
2015	3693.34	3685.95	0.9	3317
2016	5094.16	5082.53		4574
2017	5648.84	5648.84		5083
2018	5256.32	5256.32		4730
2019	5454.86	5454.86		4909
2020	4766.05	4766.05		4289
2021	4737.29	4737.29		4263
Total CoUS to be issued				31165