REG.OFFICE: H. NO. 6/121/1A, PLOT NO. G-1, VAIRAGI NI WADI, NEAR DELHI GATE SURAT – 395007 Email: audit@thenaturelink.in

Verification Report UCR ID: 199



Title	2 MW Small Scale Wind Power Project by M/S Vidya Wires Pvt. Ltd
Project Proponent	M/S Vidya Wires Pvt. Ltd
Address	Office 123, Vitthal Udyognagar, Vallabh Vidya Nagar, District- Anand, Pin-388121, Gujarat, India.
Verified By	Mr. Shardul Amin, Lead Verifier, Email: audit@thenaturelink.in, Contact: +91- 7574804497, Naturelink Solutions Pvt. Ltd.
Date	21/12/2022

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	21/12/2022				
Title of the project activity	2 MW Small Scale Wind Power Project by M/S Vidya Wires Pvt Ltd				
Project reference no. (as provided by UCR Program)	199				
Name of Entity requesting verification service (can be Project Owners themselves or any Entity having authorization of Project Owners, example aggregator.)	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 (Approved methodologies by UCR Standard used)	AMS-I.D.: "Grid connected renewable electricity generation", version 18
Project Verification Criteria:	□ UCR Standard □
Mandatory requirements to be assessed	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 ■
	□ Do No Harm Test
	⊠ Emission Reduction calculations
	Others (please mention below)
Project Verification Criteria:	Environmental Safeguards Standard and do-no-harm
Optional requirements to be assessed	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 Project approved verifier Naturelink Solution Pvt. Ltd., certifies the following with respect to the UCR Project Activity "2 MW Small Scale Wind Power Project by M/S Vidya Wires Pvt. Ltd"
	□ The project aggregator has correctly described the project activity in the Project Concept Note (dated 28/07/2022) 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 3302 tCO₂e, 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: 199
	Date: 21/12/2022
Name of the authorised personnel of UCR Project Verifier and his/her signature with date	Authorised Signatory 2 1/1/2. 2022
	Mr. Shardul Amin Lead Verifier Naturelink Solution Pvt. Ltd. Date: 21/12/2022

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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 MW Small Scale Wind Power Project by M/S Vidya Wires Pvt. Ltd UCR approved project ID:199, to establish number of CoUs generated by project over the crediting period from 16/01/2021/ to 31/12/2021 (both days included).

Verification for the period : 16/01/2021/ 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 MW Small Scale Wind Power Project by M/S Vidya Wires Pvt. Ltd (UCR ID - 199) for the period 16/01/2021/ to 31/12/2021 amounts to **3302 CoUs** (3302 tCO2e).

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 activity.

- 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 project is not part of present assignment and projects deemed validated post registration by UCR.

Description of the Project

The project activity is installation and operation of a Wind Turbine Generators (WTGs) manufactured and supplied by Inox Wind Ltd. with an installed capacity of 2 MW in the

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Porbandar district, Gujarat, India. The details of the project activity are verified with the project report copy submitted for verification.

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 **3302** tCO2e for the said period under verification, there on displacing 3669 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 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 16/01/2021		
Carbon credits claimed up to	31/12/2021	
Total ERs generated (tCO2e)	3302 tCO ₂ e	
Leakage Emission	0	
Project Emission	0	

B. Project Verification team, technical reviewer and approver:

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

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C. Means of Project Verification

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 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 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 are considered as record wherever required. Further the communication agreement made between project owner and project aggregator is document of UCR registry hence the project aggregator is treated as authorized representative of project owner. All the documents submitted by project aggregator to verifier is treated as documents submission on behalf of project owner.

The list of submitted document is available in subsequent section of this verification report under section "Document reviewed or referenced"-section I.

On-Site inspection- Not applicable.

	off-site on: DD/MM/YYYY IM/YYYY	Not applicable as per UCR guid this verification activity.	deline site visit not cond	ducted for
No.	No. Activity performed Off-Site		Site location	Date
1.				

Interviews: Not applicable

As per UCR guideline 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		

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1.	Rathi	Shailesh	M/S Wires	Vidya	04/08/2022	Meter Calibratio, Turbine capacity, Purchase Invoice and Site
						Activities

Sampling approach: Not applicable

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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 (C	SHG)		
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	NIL	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	NIL	NIL

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D. Project Verification findings

D.1 Identification and eligibility of project type

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

D.2 General description of project activity

Means of Project Verification	The project activity involves operation of 2 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 Certificate for Share of Electricity.
Findings	 Project Commissioning date is mentioned in the commissioning certificate. Turbine Capacity is same as mentioned in the commissioning certificate provided by GEDA. Project implementation and sale of energy abide the wheeling agreement.

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Conclusion	The description of the project activity is verified to be true based on
	the review of PCN, MR, Commissioning Certificate, 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	Project has taken 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, Commissioning certificate.
Findings	The methodology applied is applicable for the project activity.
Conclusion	Methodology application is appropriate meeting the requirements of UCR and its standardized baseline. The methodology version is correct and valid. 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	Emission factor 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 project.

D.3.3 Project boundary, sources and GHGs

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

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Findings	Project boundary is appropriately defined in PCN which is physical and geographical site of power house.
Conclusion	Project boundary is correctly defined in 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 boundary, 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	Baseline scenario is appropriately described. Calculated baseline emission for each vintage year of crediting period is rounded down as per UCR standard.

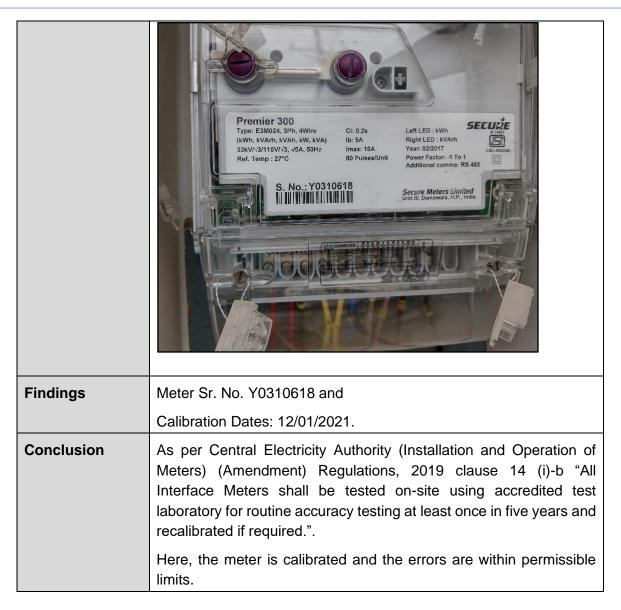
D.3.5 Estimation of emission reductions or net anthropogenic removal

Means of Project Verification	Certificate For Share of Electricity, and General Project Eligibility Criteria and Guidance, calibration report, and UCR Standard, page 4.
Findings	None
Conclusion	Certificate for Share of Electricity is considered as an acceptable document to check actual energy generation for each month. Copy of the sample has been cropped and attached for reference purpose.

D.3.6 Monitoring Report

Means of Project Verification Certificate For Share of Electricity, Power Purchase Agreement General Project Eligibility Criteria and Guidance, UCR Stan page 4, calibration report. Meter installed at site	•
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D.4 Start date, crediting period and duration

Means of Project Verification	PCN and MR, Commissioning certificate, SLDC certificates were referred.
Findings	Declared information is correct and verified.
Conclusion	The start date, crediting period and project duration reported correctly and this meets the requirements of UCR verification standard and UCR project standard.

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D.5 Positive Environmental impacts

Means of Project Verification	PCN
Findings	Declared information is correct and verified.
Conclusion	The positive environmental impact meets the requirement of UCR verification standard and UCR project standard.

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	Declared information is correct and verified.
Conclusion	Project owner identified through communication agreement signed between PP and PA, equipment purchase order and commissioning certificate. Also, 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	Project has provided temporary employment to local people during its installation and commissioning. Also post commissioning some of people have employed permanently and local people were engaged leading to social financial benefit to surrounding. Overall social impact of project implementation is positive on the surrounding area.
Findings	
Conclusion	Project has overall positive social impact.

D.8 Sustainable development aspects (if any)

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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 experience personnel.
- Technical review is performed by 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 MW Small Scale Wind Power Project by M/S Vidya Wires Pvt. Ltd (UCR ID – 199) for the period 16/01/2021/ to 31/12/2021 amounts to 3302 CoUs $(3302 \text{ tCO}_2\text{e})$.

G. Abbreviations

Abbreviations	Full texts
UCR	Universal Carbon Registry
CPCB	Central Pollution Control Board
PGVCL	Paschim Gujarat Vij Company Ltd.
GETCO	Gujarat Energy Transmission Corporation
GERC	Gujarat Electricity Regulatory Commission (GERC)
GEDA	Gujarat Energy Development Authority
UGVCL	Uttar Gujarat Vij Company Limited
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

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PP/PO	Project Proponent / Project Owner
PA	Project Aggregator
PPA	Power Purchase Agreement
ER	Emission Reduction
CoUs	Carbon offset Units.
tCO ₂ e	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 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 (2021)	PA
7	GEDA	Commissioning Certificate	PA
8	GETCO & 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	PGVCL	Calibration reports 2021	PA

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

Table 1. CLs from this Project Verification

CL ID	Nil	Section no.		Date:
Description	of CL			
Project Ow	ner's response			Date:
Documenta	Documentation provided by Project Owner			
UCR Project Verifier assessment Da			Date:	

Table 2. CARs from this Project Verification

CAR ID	Nil	Section no.	Date:	
Description	of CAR			
Project Ow	ner's respon	ise	Date:	
Documenta	Documentation provided by Project Owner			
UCR Project Verifier assessment			Date:	

Table 3. FARs from this Project Verification

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

UCR Project Verifier assessment	Date:

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ANNEXURE I: Photographs of the Power Plant

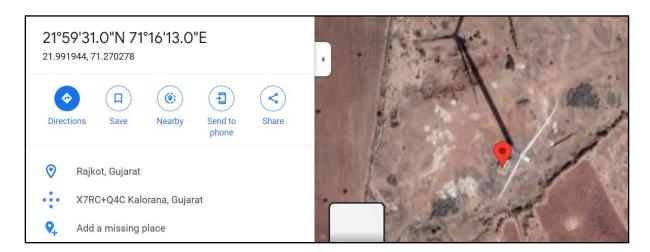


Figure-1: Google map photo

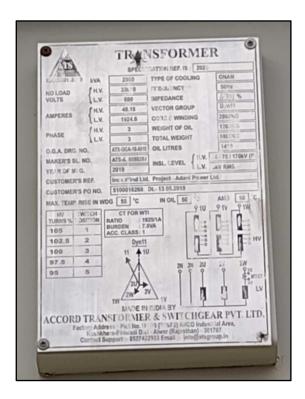


Figure-2: Transformer name plate

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

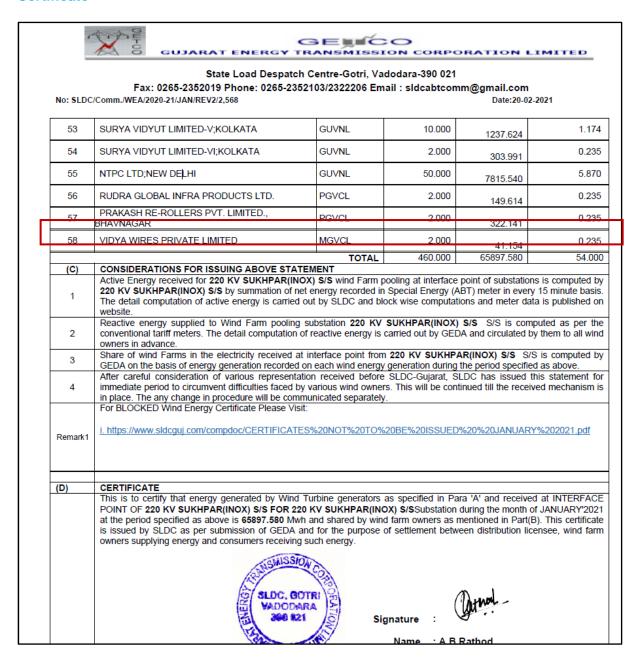


Figure-2: Share of electricity certificate January - 2021

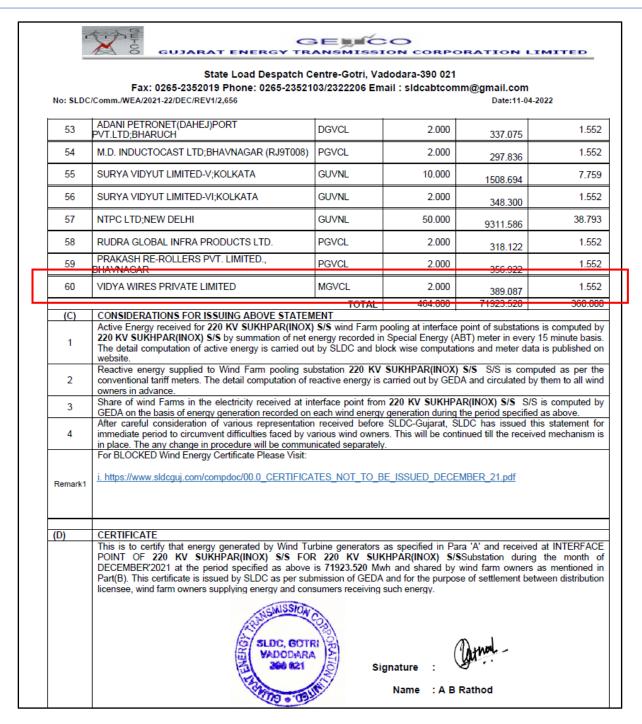


Figure-3: Share of electricity certificate December 2021

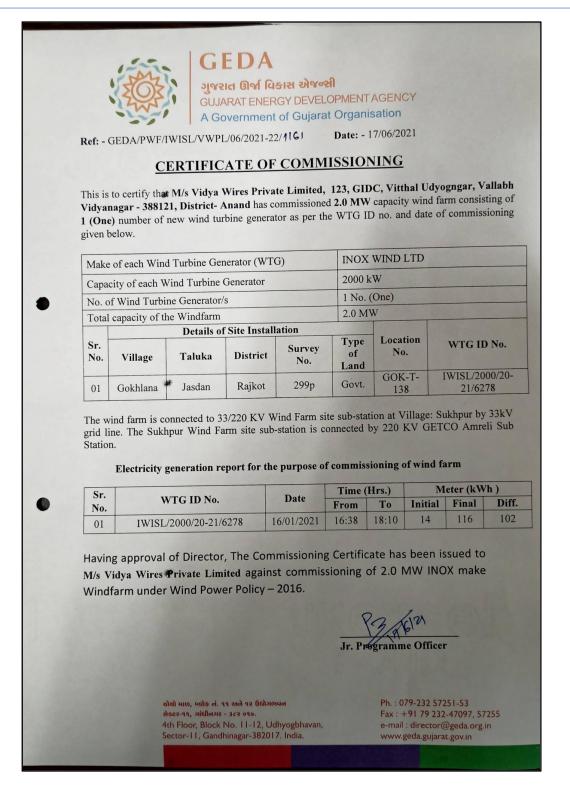


Figure-4: Commissioning Certificate