NATURELINK SOLUTIONS PRIVATE LIMITED

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: 192

Title	**1.4 MW Bundled Small Scale Wind Power Project by M/s Ravikiran Ceramics Pvt. Ltd.**
Project Proponent	**M/s Ravikiran Ceramics Pvt. Ltd**
Project Location	**Survey No. 1119/p. Village - Kuchhadi, Dist. Porbandar, Gujarat, India, 21°41'09.1"N 69°32'17.7"E. WTG ID : SEL/600/07-08/0890** **Survey No. 211. Village - Navadra, Ta. Kalyanpur, Dist.- Jamnagar Gujarat, India, 21°56'47.4"N 69°16'38.8"E. WTG ID: EIL/800/05-06/0109**
Verified By	**Mr. Shardul Amin,** **Lead Verifier,** **Email: audit@thenaturelink.in,** **Contact: +91- 7574804497,** **Naturelink Solutions Pvt. Ltd.**
Date	**13/02/2023**

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	13/02/2023
Title of the project activity	1.4 MW Bundled Small Scale Wind Power Project by M/s Ravikiran Ceramics Pvt. Ltd.
Project reference no. (as provided by UCR Program)	192
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:	☒ UCR Verification Standard

Mandatory requirements to be assessed	☒ Applicable Approved Methodology ☐ Applicable Legal requirements /rules of the 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., verifies the following with respect to the UCR Project Activity "1.4 MW Bundled Small Scale Wind Power Project by M/s Ravikiran Ceramics Pvt. Ltd." ☒ The project aggregator has correctly described the project activity in the Project Concept Note (dated 06/07/2022) 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 16851 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: 192 Date: 13/02/2023
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: 13/02/2023

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 **"1.4 MW Bundled Small Scale Wind Power Project by M/s Ravikiran Ceramics Pvt. Ltd, UCR approved project ID:192**, to establish a number of CoUs generated by the project over the crediting period from 01/01/2013 to 31/12/2021 (both days included).

Verification for the period: 01/01/2013 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 are found to be correct and in line with the UCR guidelines. The GHG emission reductions were calculated on the basis of UCR guideline which draws reference from, the 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 1.4 MW Bundled Small Scale Wind Power Project by M/s Ravikiran Ceramics Pvt. Ltd. (UCR ID – 192) for the period 01/01/2013 to 31/12/2021 amounts to 16851 CoUs (16851 tCO_2e).

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 program verification guidance document, UCR Standard, UCR Program 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 the and project is 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 a wind turbine generator (WTG) in Porbandar and Jamnagar district of the state of Gujarat, India. The details of the project activity are verified with the project report copy submitted for verification.

Make	WTG	Latitude and Longitude	Village	District	Commissioning Date
Suzlon	600 kW	21°41'09.1"N 69°32'17.7"E	Kuchhadi	Porbandar	29/03/2008
Enercon	800 kW	21°56'47.4"N 69°16'38.8"E	Navadra	Jamnagar	07/03/2006

The technical specification is listed below;

Turbine model	**Enercon (E- 48)**
Rated power	**800 kW**
Rotor diameter	48 m
Hub height	76 m (Hybrid)
Turbine Type	Direct Driven, Upwind, Horizontal axis wind turbine with variable rotor speed
Power regulation	Independent pitch system for each blade
Cut in wind speed	3.0 m/s
Rated wind speed	12 m/s
Cut-out Wind speed	34 m/s
Extreme Wind Speed	59.5 m/s
Operating range rot. Speed	31rpm
Orientation	Upwind
Gear Box type	Gear Less
Generator Type	Synchronous generator
Breaking	Aerodynamic

No of Blades	3
Yaw System	Active yawing with 4 electric yaw drives with brake motor
Blade Material	Fiber Glass Epoxy reinforced
Output Voltage	690 V

Product No.		**S52_600kW_50 Hz**
Main Data	Turbine type	Horizontal axis wind turbine
	Rated Power	**600 kW**
	Cut in Wind Speed	3.5 m/s
	Rated Wind Speed	12 m/s
	Cut off Wind Speed	25 m/s
	Hub Height	75 m
	Rotational Speed	24.19 rpm (fix speed machine, max over speed 28.29 rpm)
	Rotor Diameter	52 m
	Swept Area	2,124 m^2
Rotor	No of Blades	3
	Tip Speed (at rated Power)	66m/sec
	Rotor Diameter	52 m
	Rotor orientation	Upwind/Horizontal axis
Generator	Frequency	50 Hz
	Type	Induction generator with slip rings
	Rotation Speed	1500 rpm
	Blade Length	25 m
Pitch System	Pitch Type	Electrical
	Pitch angle full range	-5^o to $+90^o$
	Pitch Speed (angular)	0.1 -10^o/sec
Generation System	Generator type	Induction generator (asynchronous), air cooled
	Rated Power	600 kW

	Rated Voltage	690 V AC (phase to phase)
	Frequency	50 HZ
	Number of poles	4
	Synchronous speed	1500 rpm
	Speed at rated power	1539 rpm
	Full Load power factor	0.89 approx. (uncompensated)
	Full load current	560 A
	Star winding connection	Delta
	Rotor	Squirrel cage
	Enclosure (Generator)	IP 56
	Insulation Glass	Class H
Yaw System – yaw gear and Motors	Yaw Motor & gear type	Active electric yaw drive having electric motor with brake, gearbox and pinion
	Number of Units	2
	Yaw Speed	23.6^{o}/ min
	Voltage	3 phase – 690 V AC
Tower	Tower Type	Lattice tower with bolted steel structure.
	Lattice tower Height	73.0 m
Operational parameters	Wind Speed- Start	4 m/sec
	Wind Speed – stop	25 m/sec
	Re-start point, after high wind stop	23 m/sec

As mentioned in the monitoring report and emission reduction calculation sheet submitted for verification, the project replaces anthropogenic emissions of greenhouse gases (GHGs) estimated to be approximately **16851 tCO_2e** for the said period under verification, there on displacing **18728 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	01/01/2013

Carbon credits claimed up to	31/12/2021
Total ERs generated (tCO_2e)	16851 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.	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 and verified 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, monitoring related equipment/measuring instruments and their calibration records, to establish the 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 as 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 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		
1.	Shah	Manish	Project In-charge, Ravikiran Ceramics Pvt. Ltd	19/01/2023	Meter calibration, project activities, and overview

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	NIL	NIL
• Monitoring Report	1	NIL	NIL
Start date, crediting period and duration	1	NIL	NIL
Environmental impacts	NIL	NIL	NIL
Project Owner- Identification and communication	NIL	NIL	NIL
Others (please specify)	NIL	NIL	NIL
Total	2	NIL	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 800 and 600 kW 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 the wheeling and/or power purchase agreement.
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.
Conclusion	The methodology applied is appropriately 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 2.0 which is the physical and geographical site of energy generation.
Conclusion	The project boundary is correctly defined in the PCN version 2.0. GHG source correctly identified and reported. The project meets the requirements of UCR project standard, Verification standard and methodology requirements for a 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	The baseline scenario is appropriately described. The 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, General Project Eligibility Criteria and Guidance, calibration report, and UCR Standard, page 4.
Findings	None
Conclusion	A certificate for share of electricity is considered an acceptable document to check actual energy generation for each month. The energy generation was also cross-checked with the wind farm certificate, wind farm scheduling adjustment calculation sheet, and MGVCL electricity bills.

Year	EGpy (MWh)	EFgrid,y	ERs
2013	2302.88	0.9	2072
2014	2192.22	0.9	1972
2015	2323.74	0.9	2091
2016	2238.91	0.9	2015
2017	1945.11	0.9	1750
2018	1853.28	0.9	1667
2019	2025.85	0.9	1823
2020	1751.42	0.9	1576
2021	2095.02	0.9	1885
Emission reduction (tCO_2e) for the period of 2013 to 2021			16,851

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 wind turbine.

	
Findings	Meter Sr. No GJB01103. Make : Secure, Class: 0.2 S. It was calibrated on 09/03/2018, 06/03/2019 and 04/02/2021. CL-1 was issued against the missing calibration and meter photos of Enercon wind turbine.
Conclusion	CL-1 is closed as in the case of the Enercon wind turbine, the common meter was located at the pooling substation and owner has no control over it. The electricity generation was cross-checked with MGVCL wheeling adjustment/ wind farm bills. Calibration reports of the meters provided for Suzlon 600 kW wind turbine by PP certify that errors are within permissible limits and details are mentioned below. The monitoring parameter reported in MR adequately represents the parameters relevant to emission reduction calculation. The calibration report ensures the accuracy of the data reported. The number of CoUs generation is calculated based on this accurately reported data. The calculation was done using an excel sheet where all the parameters were reported. The emission factor for electricity

	is as per UCR standard. In the monitoring report, emission reduction calculations are correctly calculated and reported. The monitoring report meets the requirements of UCR project verification requirements.

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	CL-2 was issued as the PCN crediting period does not match with MR crediting period.
Conclusion	CL-2 was closed due to the revised UCR standard allows the crediting of CoUs from 2013 instead of 2014. 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. The start date : 01/01/2013 Crediting period : 01/01/2013 to 31/12/2021

D.5 Positive Environmental impacts

Means of Project Verification	PCN
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/wheeling 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/ Wheeling 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 the people been 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	The project has overall positive social impact.

D.8 Sustainable development aspects (if any)

Means of Project Verification	Not Applicable
Findings	--
Conclusion	The Project has the 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 the aggregator or project owner directly or indirectly.
- Verification team consists of experienced personnel.
- Technical review is performed by an 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 - 1.4 MW Bundled Small Scale Wind Power Project by M/s Ravikiran Ceramics

Pvt. Ltd. (UCR ID – 192) for the period 01/01/2013 to 31/12/2021 amounts to 16851 CoUs (16851 tCO_2e).

G. Abbreviations

Abbreviations	Full texts
UCR	Universal Carbon Registry
CPCB	Central Pollution Control Board
MGVCL	Madhya Gujarat Vij Company Ltd.
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 a post-graduate having M.Tech in Thermal System Design. He has 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	Certificate for a share of electricity (2013-2021)	PA
7	GEDA	Commissioning certificate	PA
8	MGVCL & PP	Power purchase agreement/wheeling agreement	PA
9	PP	Purchase order of turbine	PA
10	PP	Purchase order of generator	PA
11	CEA	Central Electricity Authority (Installation and Operation of Meters) (Amendment) Regulations, 2019	-
12	Bharti Automation	Calibration reports	PA
13	MGVCL	Wind energy bill/wheeling unit adjustment bill	PA
14	PP	Wind turbine purchase order/invoices	PA

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

Table 1. CLs from this Project Verification

CL ID	01	**Section no.:** D 3.6	Monitoring Report	**Date:** 13/01/2023
Description of CL				
Meter photos and calibration report of the Enercon wind turbine is not available.				
Project Owner's response				**Date:** 19/01/2023
The meter is not located at their wind turbine and energy generation was calculated at the pooling substation of the wind farm.				
Documentation provided by Project Owner				
MGVCL wheeling adjustment bill for 2013 to 2021				
UCR Project Verifier assessment				**Date:** 13/02/2023
The energy generation from the Enercon wind turbine was cross-checked with the wind energy bills of MGVCL.				

CL ID	02	**Section no.:** D.4	Start date, crediting period, and duration	**Date:** 13/01/2023
Description of CL				
Why start date of crediting period was changed from the year 2014 to 2013 in MR?				
Project Owner's response				**Date:** 24/01/2023
As per the revised UCR standard, the CoUs can be claimed from the year 2013 onwards.				
Documentation provided by Project Owner				
UCR CoU Standard Aug 2022 (Updated Ver.6)				
UCR Project Verifier assessment				**Date:** 13/02/2023
The start date of crediting is as per the UCR standards.				

Table 2. CARs from this Project Verification

CAR ID		**Section no.**		**Date:**
Description of CAR				
Project Owner's response				**Date:**

Documentation provided by Project Owner	
UCR Project Verifier assessment	**Date:**

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

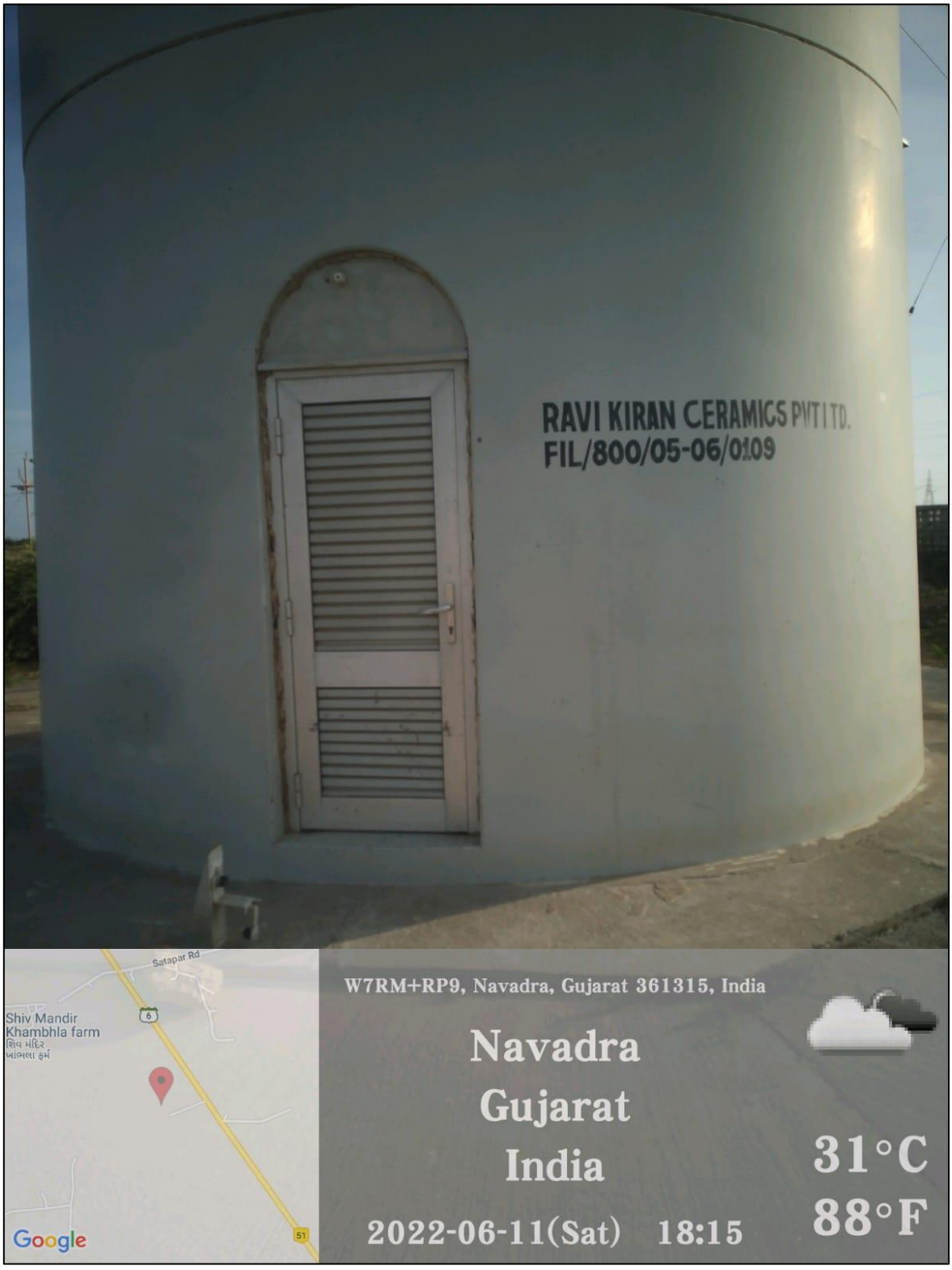




Figure-1: Project Activity

Gujarat Energy Development Agency
(A Govt. of Gujarat Organisation)
4th Floor, Block No. 11 & 12, Udyogbhavan, Sector - 11, Gandhinagar - 382 017. (Gujarat), India.
Ph. : (079) 23247086/89/90 Fax : 23247097 E-mail : info@geda.org.in Website : www.geda.org.in

Ref No. GEDA/PWF/SGWPL-RCPL/Kuchhadi/07-08/ 452 Date : 16/4/2008

CERTIFICATE OF COMMISSIONING

This is to certify that **M/s. Ravikiran Ceramics Pvt. Ltd., "Narayan Deep" 32-Yogipark Society, Near Grid crossing, Anand - 388 001,** have commissioned **0.600 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 location as shown in Micrositing drawing enclosed herewith.

Make of each Wind Turbine Generator (WTG)	: SUZLON
Capacity of each Wind Turbine Generator	: 600 kW
No. of Wind Turbine Generator/s	: One
Total Capacity of Windfarm	: 0.600 MW
Site of Installation	: Govt. leased land Survey no. 1119/p, Village: Kuchhadi, Dist. Porbandar
WTG ID number	: SEL/600/07-08/0890

This wind farm is connected by 33 kV grid line to 33/66 kV, 25 MVA capacity Kuchhadi site sub-station at Kuchhadi. The Kuchhadi site sub-station is connected to GETCO Bokhira sub station.

Electricity generation report for the purpose of commissioning of wind farm

Sr. No.	WTG No.	Date	Time (Hrs.)		Meter (kWh)		
			From	To	Initial	Final	Difference
1	**SEL/600/07-08/0890**	**29.03.2008**	**17.08**	**18.09**	**000**	**094**	**094**
						Total:→	**094**

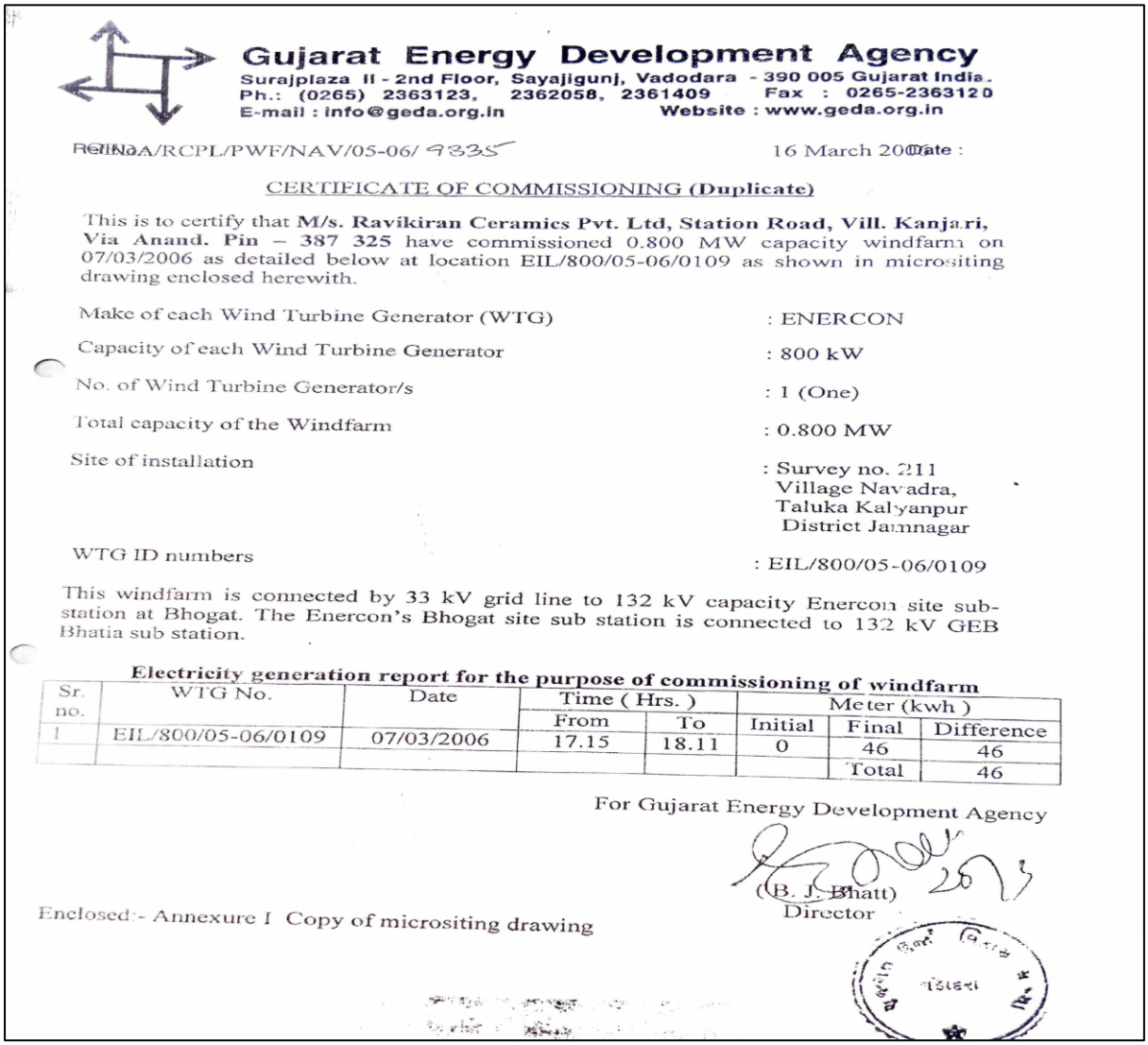
For Gujarat Energy Development Agency

(V. H. Buch)
DIRECTOR

GUJARAT ENERGY DEV. AGENCY GANDHINAGAR

Enclosed: - Annexure I Copy of approved Micrositing drawing.

ગુજરાત ઊર્જા વિકાસ સંસ્થા



Gujarat Energy Development Agency
Surajplaza II - 2nd Floor, Sayajigunj, Vadodara - 390 005 Gujarat India.
Ph.: (0265) 2363123, 2362058, 2361409 Fax : 0265-2363120
E-mail : info@geda.org.in Website : www.geda.org.in

Ref.No. GEDA/RCPL/PWF/NAV/05-06/ 9335 Date : 16 March 2006

CERTIFICATE OF COMMISSIONING (Duplicate)

This is to certify that **M/s. Ravikiran Ceramics Pvt. Ltd, Station Road, Vill. Kanjari, Via Anand. Pin – 387 325** have commissioned 0.800 MW capacity windfarm on 07/03/2006 as detailed below at location EIL/800/05-06/0109 as shown in micrositing drawing enclosed herewith.

Make of each Wind Turbine Generator (WTG) : ENERCON

Capacity of each Wind Turbine Generator : 800 kW

No. of Wind Turbine Generator/s : 1 (One)

Total capacity of the Windfarm : 0.800 MW

Site of installation : Survey no. 211
Village Navadra,
Taluka Kalyanpur
District Jamnagar

WTG ID numbers : EIL/800/05-06/0109

This windfarm is connected by 33 kV grid line to 132 kV capacity Enercon site sub-station at Bhogat. The Enercon's Bhogat site sub station is connected to 132 kV GEB Bhatia sub station.

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	EIL/800/05-06/0109	07/03/2006	17.15	18.11	0	46	46
						Total	46

For Gujarat Energy Development Agency

(B. J. Bhatt)
Director

Enclosed:- Annexure I Copy of micrositing drawing

Figure-2: Commissioning certificate

Windfarm Revised Bill

The MGVCL, ANAND O&M Division

Statement showing the revised calculation of H.T.Bill for the monthof **May - 2013** due to adjustemnt of wheeling unit as per certificate issued by GEDA in respect of H.T.Consumer Name : **RAVI KIRAN CERAMICS PVT. LTD.**
Conne no:**15025**
C/D **475** KVA

CONSUMERNO : **15025** CONSUMER NAME: **RAVI KIRAN CERAMICS PVT. LTD.**

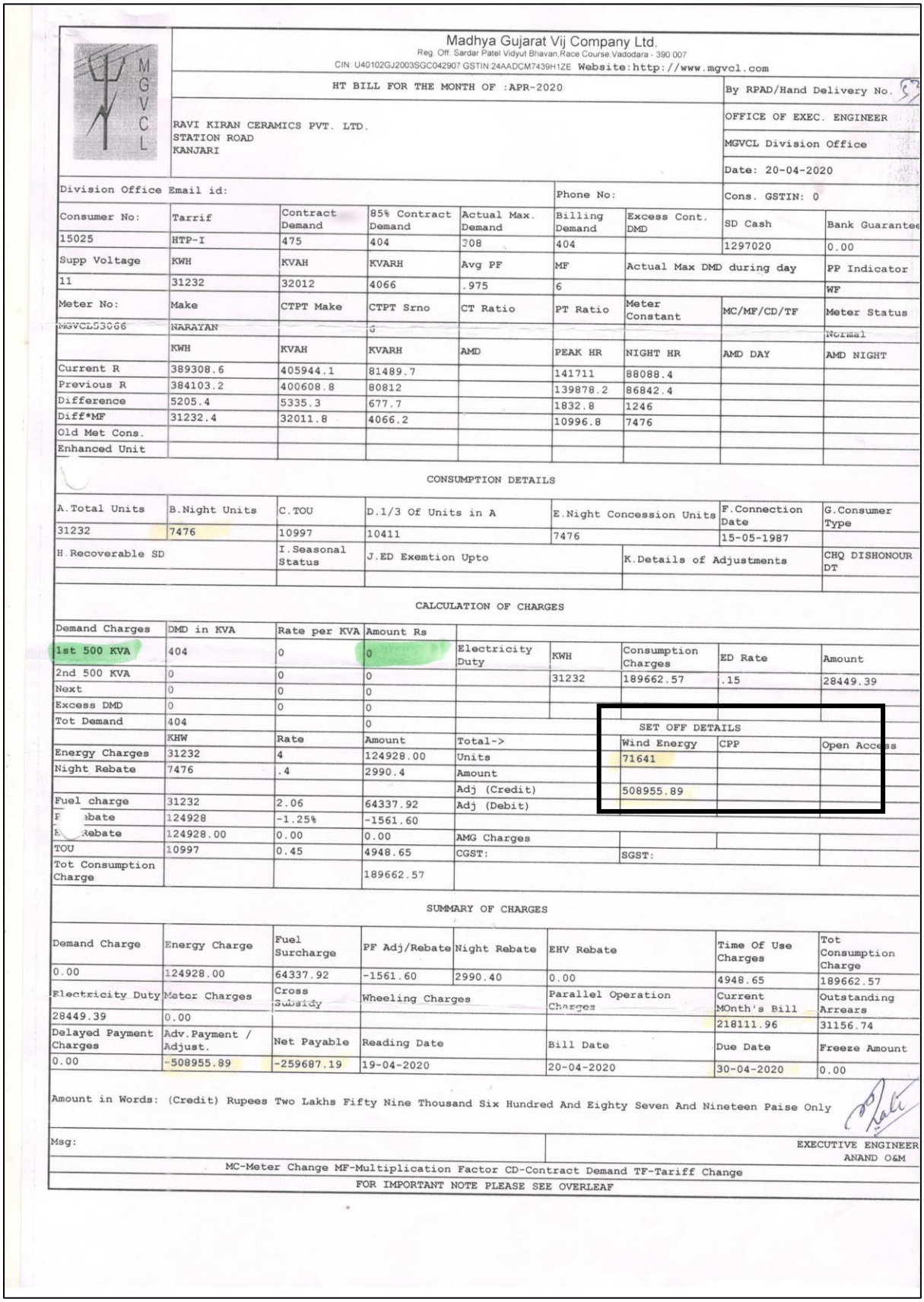
(A)	BILLED CALCULATION AS PER POWER CONSUMED		
Sr.No	**DESCRIPTION OF CHARGES**	**UNITS**	**AMOUNT RS**
1	KWH(UNITS)	103614	
2	DEMAND CHARGES		48480.00
3	ENERGY CHARGES		440359.50
4	FUEL COST CHARGES @ 1.05 ps	103614	108794.70
5	POWER FACTOR %	.929	
	ADJUSTEMNT / REBATE		0.00
6	EHV Rebate		0.00
7	TIME OF USE CHARGES	35364	12377.40
	TOTAL CONSUMPTION CHARGE		610011.60
8	ELECTRICITY DUTY		91501.74
9	METER RENT		750.00
10	TOTAL BILL AMOUNT RS.		**702263.34**

(B)	BILL CALCULATION AFTER ADJUSTMENT OF WHEELING UNITS		
Sr.No	**DESCRIPTION OF CHARGES**	**UNITS**	**AMOUNT RS**
1	KWH(UNITS)	103614	
2	WHEELING UNITS AS PER GEDA CERTIFICATE		

Windfarm WTG No	Units	Share of ED	Share Units
WTG NO.1-0109	106117	100	106117
WTG NO.2-0890	82044	100	82044

3	TOTAL WHEELING UNIT	188161	
4	LESS WHEELING LOSS	7527	
5	OPENING BALANCE OF BANK	**0**	
6	**LAPSED UNITS**	0	
7	NET WHEELING UNITS (3 - 4 + 5 -6)	180634	
8	NET CONSUMPTION TO BE BILLED (1 - 7)	0	
9	BALANCE UNIT IN BANK (7 - 1)	0	
10	DEMAND CHARGES		48480.00
11	ENERGY CHARGES		0.00
12	FUEL COST CHARGES @ 1.05 ps		0.00
13	SUB TOTAL (9 + 10)		48480.00
14	POWER FACTOR %	.929	
	ADJUSTEMNT / REBATE		0
15	EHV Rebate		0.00
16	TIME OF USE UNITS TO BE CHARGED		
	TIME OF USE CHARGES		0.00
17	TOTAL CONSUMPTON CHARGES		48480.00
18	ELECTRICITY DUTY		0.00
19	METER RENT		750.00
19	WHEELING CHARGE 5 PS/UNIT ON TOTAL WHEELING UNITS		0.00
20	TOTAL REVISED BILL AMOUNT RS.		**49230.00**
21	TOTAL AMOUNT TO BE CREDITED (A10-B18)		**653033.34**
22	TOTAL COMPANY CHARGES CREDITED RS.		561531.60
23	TOTAL GOVT. CHARGES CREDITED RS.		91501.74
24	TOTAL AMOUNT OF ADJUSTMENT RS.		653033.34

Jr. Asst/Sr. Asst ANAND O&M **D.Y.S.A (Rev) ANAND O&M** **Supdt A/C ANAND O&M** **Executive Engineer ANAND O&M**



Madhya Gujarat Vij Company Ltd.
Reg. Off: Sardar Patel Vidyut Bhavan,Race Course,Vadodara - 390 007
CIN: U40102GJ2003SGC042907 GSTIN:24AADCM7439H1ZE Website:http://www.mgvcl.com

HT BILL FOR THE MONTH OF :APR-2020

By RPAD/Hand Delivery No.

RAVI KIRAN CERAMICS PVT. LTD.
STATION ROAD
KANJARI

OFFICE OF EXEC. ENGINEER
MGVCL Division Office
Date: 20-04-2020

Division Office Email id: | Phone No: | Cons. GSTIN: 0

Consumer No:	Tarrif	Contract Demand	85% Contract Demand	Actual Max. Demand	Billing Demand	Excess Cont. DMD	SD Cash	Bank Guarantee
15025	HTP-I	475	404	208	404		1297020	0.00
Supp Voltage	KWH	KVAH	KVARH	Avg PF	MF	Actual Max DMD during day		PP Indicator
11	31232	32012	4066	.975	6			WF
Meter No:	Make	CTPT Make	CTPT Srno	CT Ratio	PT Ratio	Meter Constant	MC/MF/CD/TF	Meter Status
MGVCL53066	NARAYAN		G					Normal
	KWH	KVAH	KVARH	AMD	PEAK HR	NIGHT HR	AMD DAY	AMD NIGHT
Current R	389308.6	405944.1	81489.7		141711	88088.4		
Previous R	384103.2	400608.8	80812		139878.2	86842.4		
Difference	5205.4	5335.3	677.7		1832.8	1246		
Diff*MF	31232.4	32011.8	4066.2		10996.8	7476		
Old Met Cons.								
Enhanced Unit								

CONSUMPTION DETAILS

A.Total Units	B.Night Units	C.TOU	D.1/3 Of Units in A	E.Night Concession Units	F.Connection Date	G.Consumer Type
31232	7476	10997	10411	7476	15-05-1987	
H.Recoverable SD		I.Seasonal Status	J.ED Exemtion Upto	K.Details of Adjustments		CHQ DISHONOUR DT

CALCULATION OF CHARGES

Demand Charges	DMD in KVA	Rate per KVA	Amount Rs					
1st 500 KVA	404	0	0	Electricity Duty	KWH	Consumption Charges	ED Rate	Amount
2nd 500 KVA	0	0	0		31232	189662.57	.15	28449.39
Next	0	0	0					
Excess DMD	0	0	0					
Tot Demand	404		0					
	KHW	Rate	Amount	Total->		Wind Energy	CPP	Open Access
Energy Charges	31232	4	124928.00	Units		71641		
Night Rebate	7476	.4	2990.4	Amount				
				Adj (Credit)		508955.89		
Fuel charge	31232	2.06	64337.92	Adj (Debit)				
F ...bate	124928	-1.25%	-1561.60					
E ...Rebate	124928.00	0.00	0.00	AMG Charges				
TOU	10997	0.45	4948.65	CGST:		SGST:		
Tot Consumption Charge			189662.57					

SET OFF DETAILS

SUMMARY OF CHARGES

Demand Charge	Energy Charge	Fuel Surcharge	PF Adj/Rebate	Night Rebate	EHV Rebate	Time Of Use Charges	Tot Consumption Charge
0.00	124928.00	64337.92	-1561.60	2990.40	0.00	4948.65	189662.57
Electricity Duty	Meter Charges	Cross Subsidy	Wheeling Charges		Parallel Operation Charges	Current MOnth's Bill	Outstanding Arrears
28449.39	0.00					218111.96	31156.74
Delayed Payment Charges	Adv.Payment / Adjust.	Net Payable	Reading Date		Bill Date	Due Date	Freeze Amount
0.00	-508955.89	-259687.19	19-04-2020		20-04-2020	30-04-2020	0.00

Amount in Words: (Credit) Rupees Two Lakhs Fifty Nine Thousand Six Hundred And Eighty Seven And Nineteen Paise Only

Msg:

EXECUTIVE ENGINEER
ANAND O&M

MC-Meter Change MF-Multiplication Factor CD-Contract Demand TF-Tariff Change
FOR IMPORTANT NOTE PLEASE SEE OVERLEAF

Figure-3: Wind energy set-off details and bills.

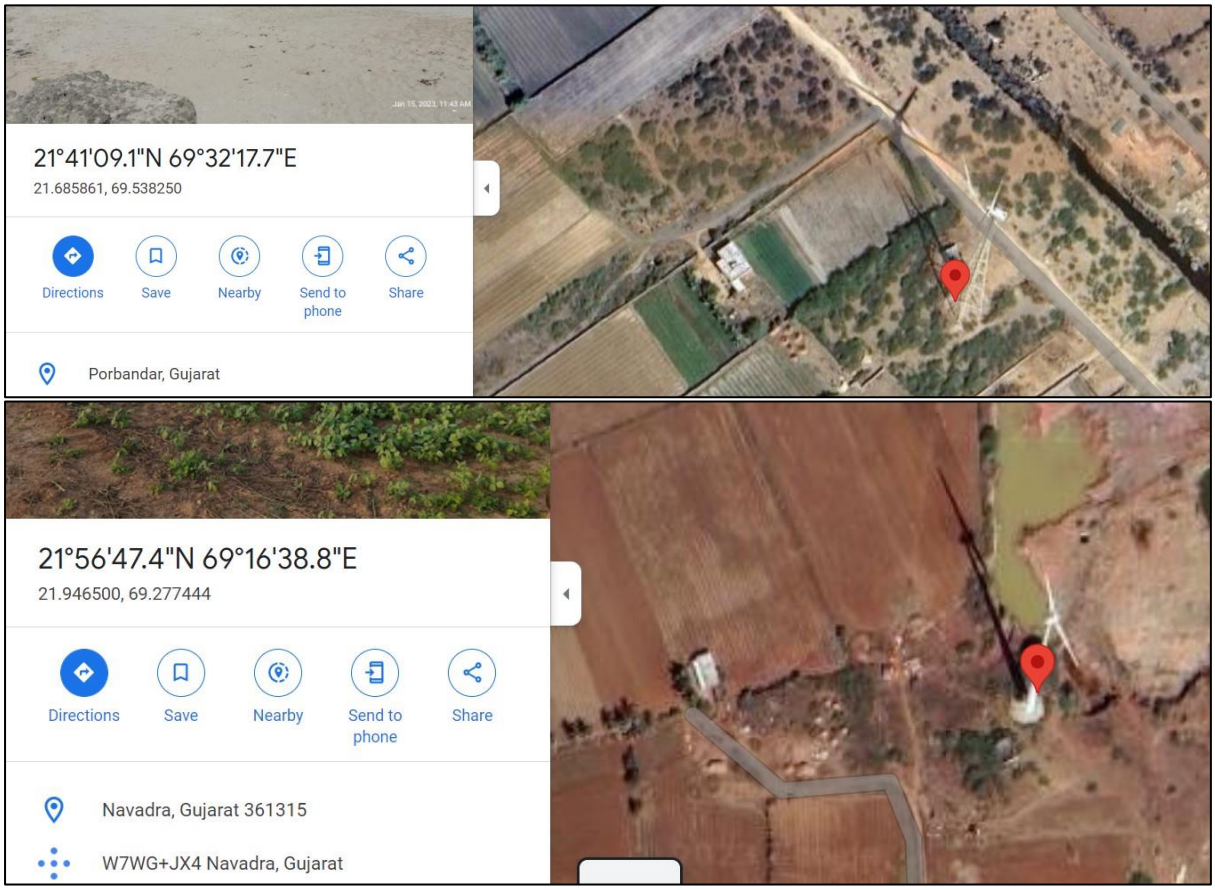


Figure-4: Google map photo of WTG.