

# 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](mailto:audit@thenaturelink.in)

## Verification Report UCR ID: 207



|                  |                                                                                                                                                                                   |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Title            | 2.6 MW Small Scale Wind Power project by M/s Rajsamadhiyala Spintex Private Limited.                                                                                              |
| Project Owner    | M/s Rajsamadhiyala Spintex Private Limited                                                                                                                                        |
| Project Location | Location no. NMT 140. Village - Modpar, Dist. Jamnagar, Gujarat, India<br>22°20'52.7"N 70°13'24.4"E                                                                               |
| Verified By      | Mr. Shardul Amin,<br>Lead Verifier,<br>Email: <a href="mailto:audit@thenaturelink.in">audit@thenaturelink.in</a> ,<br>Contact: +91- 7574804497,<br>Naturelink Solutions Pvt. Ltd. |
| Date             | 17/02/2023                                                                                                                                                                        |

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| COVER PAGE                                                                                                                            |                                                                                                                                                             |
|---------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Project Verification Report Form (VR)                                                                                                 |                                                                                                                                                             |
| BASIC INFORMATION                                                                                                                     |                                                                                                                                                             |
| Name of approved UCR Project Verifier / Reference No.                                                                                 | Naturelink Solutions Pvt. Ltd                                                                                                                               |
| Type of Accreditation                                                                                                                 | <input type="checkbox"/> CDM Accreditation<br><input type="checkbox"/> ISO 14065 Accreditation<br><input checked="" type="checkbox"/> 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                                                                                                            | 17/02/2023                                                                                                                                                  |
| Title of the project activity                                                                                                         | 2.6 MW Small Scale Wind Power project by M/s Rajsamadhiyala Spintex Private Limited.                                                                        |
| Project reference no. (as provided by UCR Program)                                                                                    | 207                                                                                                                                                         |
| Name of Entity requesting verification service                                                                                        | Creduce Technologies Private Limited (Aggregator)                                                                                                           |
| Contact details of the representative of the Entity, requesting verification service<br>(Focal Point assigned for all communications) | Shailendra Singh Rao<br>Mobile: +91-9016850742<br>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:                                                                                                        | <input checked="" type="checkbox"/> UCR Verification Standard                                                                                               |

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|                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Mandatory requirements to be assessed                                                                                                                  | <input checked="" type="checkbox"/> Applicable Approved Methodology<br><input type="checkbox"/> Applicable Legal requirements /rules of the host country<br><input checked="" type="checkbox"/> Eligibility of the Project Type<br><input checked="" type="checkbox"/> Start date of the Project activity<br><input checked="" type="checkbox"/> Meet applicability conditions in the applied methodology<br><input checked="" type="checkbox"/> Credible Baseline<br><input checked="" type="checkbox"/> Do No Harm Test<br><input checked="" type="checkbox"/> Emission Reduction calculations<br><input checked="" type="checkbox"/> Monitoring Report<br><input checked="" type="checkbox"/> No GHG Double Counting<br><input type="checkbox"/> Others (please mention below)                                                                                            |
| <b>Project Verification Criteria:</b><br>Optional requirements to be assessed                                                                          | <input checked="" type="checkbox"/> Environmental Safeguards Standard and do-no-harm criteria<br><input type="checkbox"/> Social Safeguards Standard do-no-harm criteria                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Project Verifier's Confirmation:</b><br>The <i>UCR Project Verifier</i> has verified the UCR project activity and therefore confirms the following: | <p>The UCR-approved verifier Naturelink Solution Pvt. Ltd., verifies the following with respect to the UCR Project Activity “2.6 MW Small Scale Wind Power project by M/s Rajsamadhiyala Spintex Private Limited.”</p> <input checked="" type="checkbox"/> The project aggregator has correctly described the project activity in the Project Concept Note (dated 06/08/2022) 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.<br><input checked="" type="checkbox"/> The project activity is likely to generate GHG emission reductions amounting to the estimated <b>7417</b> tCO <sub>2</sub> e, as indicated in the |

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|                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                 | <p>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.</p> <p><input checked="" type="checkbox"/> The project activity is not likely to cause any net-harm to the environment and/or society</p> <p><input checked="" type="checkbox"/> The project activity complies with all the applicable UCR rules and therefore recommends UCR Program to register the Project activity with above mentioned labels.</p> |
| <b>Project Verification Report, reference number and date of approval</b>                       | <p>Verification Report UCR</p> <p>Project ID: 207</p> <p>Date: 17/02/2023</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Name of the authorised personnel of UCR Project Verifier and his/her signature with date</b> | <div></div> <p>Mr. Shardul Amin<br/>Lead Verifier<br/>Naturelink Solution Pvt. Ltd.<br/>Date: 17/02/2023</p>                                                                                                                                                                                                                                                                                                                                                                    |

## 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 “**2.6 MW Small Scale Wind Power project by M/s Rajsamadhiyala Spintex Private Limited, UCR approved project ID:207**”, to establish a number of CoUs generated by the project over the crediting period from 31/12/2021 to 31/12/2022 (both days included).

Verification for the period: 31/12/2021 to 31/12/2022

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 2.6 MW Small Scale Wind Power project by M/s Rajsamadhiyala Spintex Private Limited. (UCR ID – 207) for the period 31/12/2021 to 31/12/2022 amounts to **7417 CoUs (7417 tCO<sub>2</sub>e)**.

### 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 and the project is deemed validated post-registration by UCR.

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## Description of the Project

The project activity is a renewable power generation activity which incorporates installation and operation of a wind turbine generator (WTG) having capacity of 2.6 MW each manufactured and supplied by Suzlon Energy Limited in district Jamnagar of the state of Gujarat, India. The details of the project activity are verified with the project report copy submitted for verification.

| WTG    | Latitude and Longitude    | Village | Taluka   | District |
|--------|---------------------------|---------|----------|----------|
| 2.6 MW | 22°20'52.7"N 70°13'24.4"E | Modpar  | Jamnagar | Jamnagar |

The technical specification is listed below;

| Description                       | Information                                                        |
|-----------------------------------|--------------------------------------------------------------------|
| Turbine model                     | Suzlon A-133-140                                                   |
| Rated power                       | 2.6 MW                                                             |
| Rotor diameter                    | 133 m                                                              |
| Hub height                        | 140 m                                                              |
| Generator                         |                                                                    |
| Type                              | Slip ring asynchronous generator                                   |
| Rated frequency                   | 50 Hz (–6% to +5% continuously)                                    |
| Number of poles/synchronous speed | 6/1000 rpm                                                         |
| Cooling                           | IC8A1W7 as per IEC 60034 part 6                                    |
| Rated power                       | 2.875 MW (under DFIG operation with rotor circuit inverter system) |
| Rotor orientation                 | Upwind                                                             |
| <b>Blades</b>                     |                                                                    |
| Type                              | SB65                                                               |
| Quantity                          | 3                                                                  |
| Length                            | 65.0 m                                                             |
| Material                          | Glass-carbon hybrid                                                |
| Cut in wind speed                 | 3 m/s                                                              |
| Rated wind speed                  | 9.5 m/s                                                            |
| Cut-out Wind speed                | 20 m/s                                                             |
| Extreme Wind Speed                | 36.5 m/s                                                           |
| Operating range rot. Speed        | 7.23 to 12.11 rpm                                                  |

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 **7417 tCO<sub>2</sub>e** for the said period under verification, there on displacing **8242 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.

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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                                        | 31/12/2021              |
| Carbon credits claimed up to                                                | 31/12/2022              |
| Total ERs generated (tCO <sub>2</sub> e)                                    | 7417 tCO <sub>2</sub> e |
| 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. were 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.

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## 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.  | Sudani    | Nitin      | Project In-charge,<br>Rajsamadhiyala Spintex Private Limited | 17/02/2023 | Meter calibration, project activities, and overview |



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

| Areas of Project Verification findings                                                                                             | No. of CL | No. of CAR | No. of FAR |
|------------------------------------------------------------------------------------------------------------------------------------|-----------|------------|------------|
| <b>Green House Gas (GHG)</b>                                                                                                       |           |            |            |
| 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                                                              | --        | --         | --         |
| <ul style="list-style-type: none"> <li>Application of methodologies and standardized baselines</li> </ul>                          | NIL       | NIL        | NIL        |
| <ul style="list-style-type: none"> <li>Deviation from methodology and/or methodological tool</li> </ul>                            | NIL       | NIL        | NIL        |
| <ul style="list-style-type: none"> <li>Clarification on applicability of methodology, tool and/or standardized baseline</li> </ul> | NIL       | NIL        | NIL        |
| <ul style="list-style-type: none"> <li>Project boundary, sources and GHGs</li> </ul>                                               | NIL       | NIL        | NIL        |
| <ul style="list-style-type: none"> <li>Baseline scenario</li> </ul>                                                                | NIL       | NIL        | NIL        |
| <ul style="list-style-type: none"> <li>Estimation of emission reductions or net anthropogenic removals</li> </ul>                  | NIL       | NIL        | NIL        |
| <ul style="list-style-type: none"> <li>Monitoring Report</li> </ul>                                                                | 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        |
| <b>Total</b>                                                                                                                       | NIL       | NIL        | NIL        |

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## D. Project Verification findings

### D.1 Identification and eligibility of project type

|                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|--------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Means of Project Verification</b> | The project has taken the reference of CDM methodology AMS-I D, version 18 Grid Connected Renewable Electricity Generation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Findings</b>                      | <ol style="list-style-type: none"><li>1. Project activity is described through UCR-approved PCN.</li><li>2. UCR project communication agreement clearly defines the Project Proponent and Project Aggregator.</li></ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Conclusion</b>                    | <p>The UCR-approved format is used for description and the project meets the requirement of the UCR verification standard and UCR project standard.</p> <p>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.</p> <p>The project activity is overall meeting the requirements of the UCR Verification standard and UCR project standard.</p> |

### D.2 General description of project activity

|                                      |                                                                                                                                                                                                                                                                                                                                               |
|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Means of Project Verification</b> | The project activity involves the operation of a 2.6 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.                                                      |
| <b>Findings</b>                      | <ol style="list-style-type: none"><li>1. Project Commissioning date is mentioned in the commissioning certificate.</li><li>2. Turbine Capacity is the same as mentioned in the commissioning certificate provided by GEDA.</li><li>3. Project implementation and sale of energy abide the wheeling and/or power purchase agreement.</li></ol> |
| <b>Conclusion</b>                    | 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

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## D.3.1 Application of methodology and standardized baselines

|                                      |                                                                                                                                                                                                                                                    |
|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Means of Project Verification</b> | 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. |
| <b>Findings</b>                      | The methodology applied is applicable to the project activity.                                                                                                                                                                                     |
| <b>Conclusion</b>                    | 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

|                                      |                                                                                                                                                                                                                                                                                         |
|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Means of Project Verification</b> | The documents reviewed are A.M.S I. D “Grid connected renewable electricity generation” version 18, UCR Program standard, and UCR Verification Standard.                                                                                                                                |
| <b>Findings</b>                      | The emission factor ( $=0.9 \text{ tCO}_2/\text{MWh}$ ) is taken as per the UCR standard.                                                                                                                                                                                               |
| <b>Conclusion</b>                    | 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

|                                      |                                                                                                                                                                                                                                                |
|--------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Means of Project Verification</b> | Letter from CPCB dated 07/03/2016 No. B-29012/ESS(CPA)/2015-16. PCN section B.4.                                                                                                                                                               |
| <b>Findings</b>                      | Project boundary is appropriately defined in PCN. which is the physical and geographical site of energy generation.                                                                                                                            |
| <b>Conclusion</b>                    | The project boundary is correctly defined in the PCN. 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

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|                                      |                                                                                                                                                                   |
|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Means of Project Verification</b> | MR Section C.5 and General Project Eligibility Criteria and Guidance, UCR Standard.                                                                               |
| <b>Findings</b>                      | None                                                                                                                                                              |
| <b>Conclusion</b>                    | 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

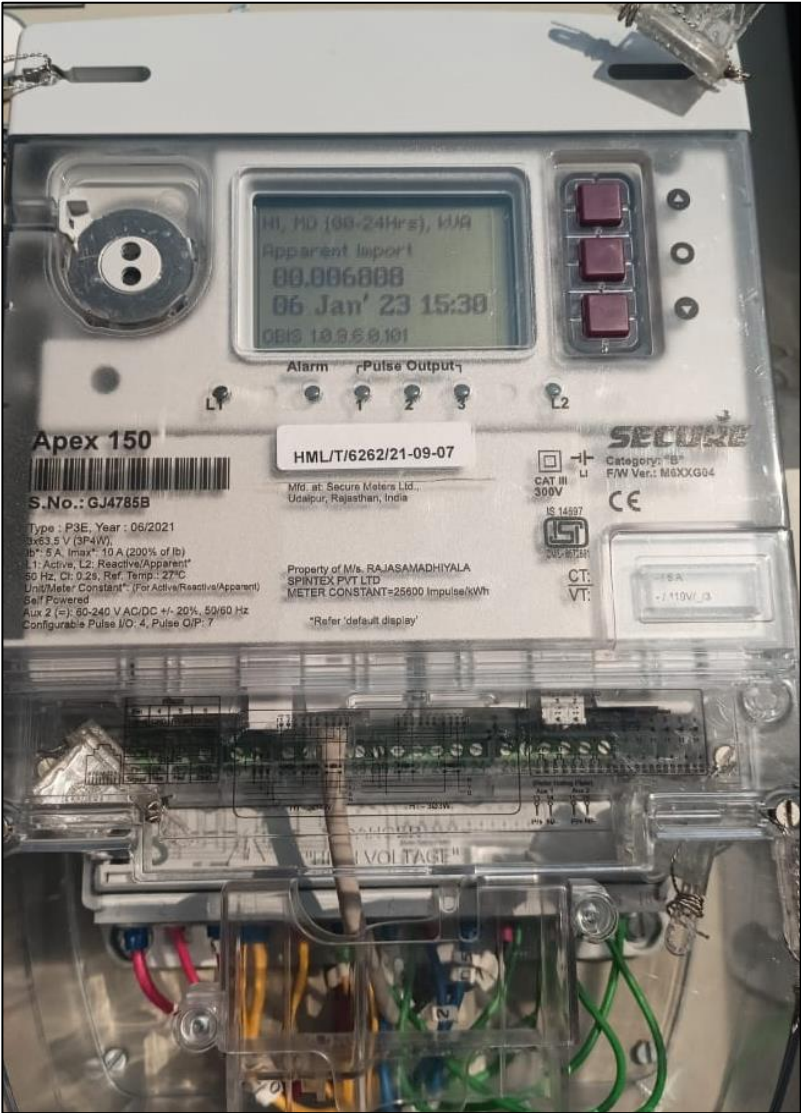
| Means of Project Verification  | Certificate For Share of Electricity, General Project Eligibility Criteria and Guidance, calibration report, and UCR Standard, page 4.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                |          |       |  |  |       |      |            |          |    |   |      |      |     |   |   |      |          |     |       |   |                                                        |  |  |       |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|----------|-------|--|--|-------|------|------------|----------|----|---|------|------|-----|---|---|------|----------|-----|-------|---|--------------------------------------------------------|--|--|-------|
| Findings                       | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                |          |       |  |  |       |      |            |          |    |   |      |      |     |   |   |      |          |     |       |   |                                                        |  |  |       |
| Conclusion                     | <p>A certificate for Share of Electricity is considered an acceptable document to check actual energy generation for each month. A copy of the sample has been cropped and attached for reference purposes.</p> <p>The energy generation was also cross-checked with the wind farm certificate, wind farm scheduling adjustment calculation sheet, and PGVCL electricity bills.</p> <table><tr><th colspan="5">Baseline Emissions Calculation</th></tr><tr><th>Sr.No</th><th>Year</th><th>EGpy (MWh)</th><th>EFgrid,y</th><th>ER</th></tr><tr><td>1</td><td>2021</td><td>2.72</td><td>0.9</td><td>2</td></tr><tr><td>2</td><td>2022</td><td>8,239.60</td><td>0.9</td><td>7,415</td></tr><tr><td>3</td><td colspan="3">ER (tCO<sub>2</sub>e) for the period of 2021 to 2022</td><td>7,417</td></tr></table> <p>It is a renewable energy project activity and hence project and leakage emission are considered zero.</p> | Baseline Emissions Calculation |          |       |  |  | Sr.No | Year | EGpy (MWh) | EFgrid,y | ER | 1 | 2021 | 2.72 | 0.9 | 2 | 2 | 2022 | 8,239.60 | 0.9 | 7,415 | 3 | ER (tCO <sub>2</sub> e) for the period of 2021 to 2022 |  |  | 7,417 |
| Baseline Emissions Calculation |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                |          |       |  |  |       |      |            |          |    |   |      |      |     |   |   |      |          |     |       |   |                                                        |  |  |       |
| Sr.No                          | Year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | EGpy (MWh)                     | EFgrid,y | ER    |  |  |       |      |            |          |    |   |      |      |     |   |   |      |          |     |       |   |                                                        |  |  |       |
| 1                              | 2021                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2.72                           | 0.9      | 2     |  |  |       |      |            |          |    |   |      |      |     |   |   |      |          |     |       |   |                                                        |  |  |       |
| 2                              | 2022                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 8,239.60                       | 0.9      | 7,415 |  |  |       |      |            |          |    |   |      |      |     |   |   |      |          |     |       |   |                                                        |  |  |       |
| 3                              | ER (tCO <sub>2</sub> e) for the period of 2021 to 2022                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                |          | 7,417 |  |  |       |      |            |          |    |   |      |      |     |   |   |      |          |     |       |   |                                                        |  |  |       |

## D.3.6 Monitoring Report

|                                      |                                                                                                                                                                                                                                             |
|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Means of Project Verification</b> | <p>Certificate for a share of electricity, power purchase agreement, and general project eligibility criteria and guidance, <u>UCR</u> standard, page 4, meter calibration report</p> <p>Energy meter photos installed at wind turbine.</p> |
|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Findings</b>   | Meter Sr. No GJ4785B. Make : Secure, Class: 0.2 S. It was calibrated on 23/09/2021.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Conclusion</b> | <p>Meter is 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.</p> <p>Calibration reports of the meters provided by PP certify that errors are within permissible limits and details are mentioned below.</p> <p>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</p> |

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|  |                                                                                                                                                                                                                                                                                        |
|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | all the parameters were reported. The emission factor for electricity is as per UCR standards. 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

|                                      |                                                                                                                                                                                                                                                                              |
|--------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Means of Project Verification</b> | PCN and MR, purchase order of turbine and technical Specification sheet, commissioning certificate, and detailed project report documents were referred.                                                                                                                     |
| <b>Findings</b>                      | The declared information is correct and verified.                                                                                                                                                                                                                            |
| <b>Conclusion</b>                    | <p>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.</p> <p>The project start date : 31/12/2021</p> <p>Crediting period : 31/12/2021 to 31/12/2022</p> |

## D.5 Positive Environmental impacts

|                                      |                                                                                                                                              |
|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Means of Project Verification</b> | PCN                                                                                                                                          |
| <b>Findings</b>                      | None.                                                                                                                                        |
| <b>Conclusion</b>                    | 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

|                                      |                                                                                                                                                                                                                                                 |
|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Means of Project Verification</b> | PCN, communication agreement, MR, purchase order of turbine, commissioning certificate, power purchase agreement/wheeling agreement.                                                                                                            |
| <b>Findings</b>                      | The declared information is correct and verified.                                                                                                                                                                                               |
| <b>Conclusion</b>                    | 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 |

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|  |                                                                                                                                                                                                                                                                                                                            |
|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <p>project owner. The identification and communication correctly meet the requirement of project verification and UCR project standard.</p> <p>The Details of the project owner;</p> <p>M/s Rajsamadhiyala Spintex Private Limited</p> <p>Address: 4/8 Sorathiyawadi, Rajkot -360002, District- Rajkot, Gujarat, India</p> |
|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## D.7 Positive Social Impact

|                                      |                                                                                                                                                                                                                                                                                                                                                                 |
|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Means of Project Verification</b> | 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 and financial benefits to the surrounding. Overall social impact of project implementation is positive in the surrounding area. |
| <b>Findings</b>                      | --                                                                                                                                                                                                                                                                                                                                                              |
| <b>Conclusion</b>                    | The project has an overall positive social impact.                                                                                                                                                                                                                                                                                                              |

## D.8 Sustainable development aspects (if any)

|                                      |                                                                                                       |
|--------------------------------------|-------------------------------------------------------------------------------------------------------|
| <b>Means of Project Verification</b> | Not Applicable                                                                                        |
| <b>Findings</b>                      | --                                                                                                    |
| <b>Conclusion</b>                    | 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



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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 - 2.6 MW Small Scale Wind Power project by M/s Rajsamadhiyala Spintex Private Limited. (UCR ID – 207) for the period 31/12/2021 to 31/12/2022 amounts to **7417 CoUs (7417 tCO<sub>2</sub>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             |
| 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 <sub>2</sub> 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                            |



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|     |                        |
|-----|------------------------|
| 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 (2021-2022)                                                 | PA       |
| 7   | GEDA                     | Commissioning certificate                                                                          | PA       |
| 8   | PGVCL & 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  | PGVCL                    | Wind farm scheduling adjustment calculation sheet                                                  | PA       |
| 13  | Hi-Tech Meter Laboratory | Calibration reports                                                                                | PA       |
| 14  | PGVCL                    | Wind farm certificate                                                                              | PA       |
| 15  | PP                       | Wind turbine purchase order/invoices                                                               | PA       |

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

**Table 1. CLs from this Project Verification**

|                                         |  |              |  |       |
|-----------------------------------------|--|--------------|--|-------|
| CL ID                                   |  | Section no.: |  | 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                                  |  | 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 |  |             |  |       |

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## ANNEXURE I: Photographs of the Power Plant



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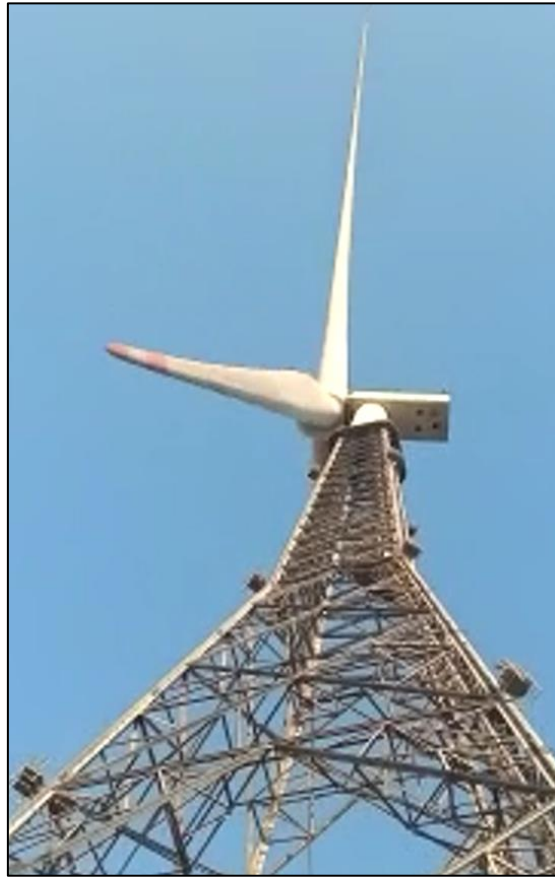


Figure-1: Project Activity



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**GEDA**

ગુજરાત ઊર્જા વિકાસ એજન્સી

GUJARAT ENERGY DEVELOPMENT AGENCY

A Government of Gujarat Organisation



Ref: - GEDA/PWF/RSPL/01/2021-22/ 4717

Date: - 19/01/2022

## CERTIFICATE OF COMMISSIONING

This is to certify that M/s Rajsamadhiyala Spintex Private Limited, Survey No. 184, Rajsamadhiyala, Rajkot Bhavnagar Highway, Rajkot - 360002 has commissioned 2.600 MW capacity wind farm consisting of 1 (One) number of new wind turbine generator as per the WTG ID no., location and date of commissioning given below:

| Make of each Wind Turbine Generator (WTG) |                              | M/s. Suzlon Energy Limited |          |             |              |              |                     |
|-------------------------------------------|------------------------------|----------------------------|----------|-------------|--------------|--------------|---------------------|
| Capacity of each Wind Turbine Generator   |                              | 2600 kW                    |          |             |              |              |                     |
| No. of Wind Turbine Generator/s           |                              | 1 No. (One)                |          |             |              |              |                     |
| Total capacity of the Wind farm           |                              | 2.600 MW                   |          |             |              |              |                     |
| Sr. No.                                   | Details of Site Installation |                            |          |             |              | Location No. | WTG ID No.          |
|                                           | Village                      | Taluka                     | District | Survey No.  | Type of Land |              |                     |
| 01                                        | Modpar                       | Jamnagar                   | Jamnagar | 65 (Old 32) | Govt.        | NMT140       | SEL/2600/21-22/6411 |

The wind farm is connected to 33/66kV Wind Farm site sub-station at Village: Modpar by 33kV grid line. The Modpar Wind Farm site sub-station is connected by 66 kV grid line to 66kV GETCO Suvarda Sub Station.

### Electricity generation report for the purpose of commissioning of wind farm

| Sr. No. | WTG ID No.          | Date       | Time (Hrs.) |       | Meter (kWh ) |       |       |
|---------|---------------------|------------|-------------|-------|--------------|-------|-------|
|         |                     |            | From        | To    | Initial      | Final | Diff. |
| 01      | SEL/2600/21-22/6411 | 31.12.2021 | 17:36       | 17:49 | 105          | 390   | 285   |

For Gujarat Energy Development Agency

  
(P.S. Darji)

Junior Program Officer

ચોથો માળ, બ્લોક નં. ૧૧ અને ૧૨ ઉદ્યોગભવન  
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Figure-2: Commissioning certificate

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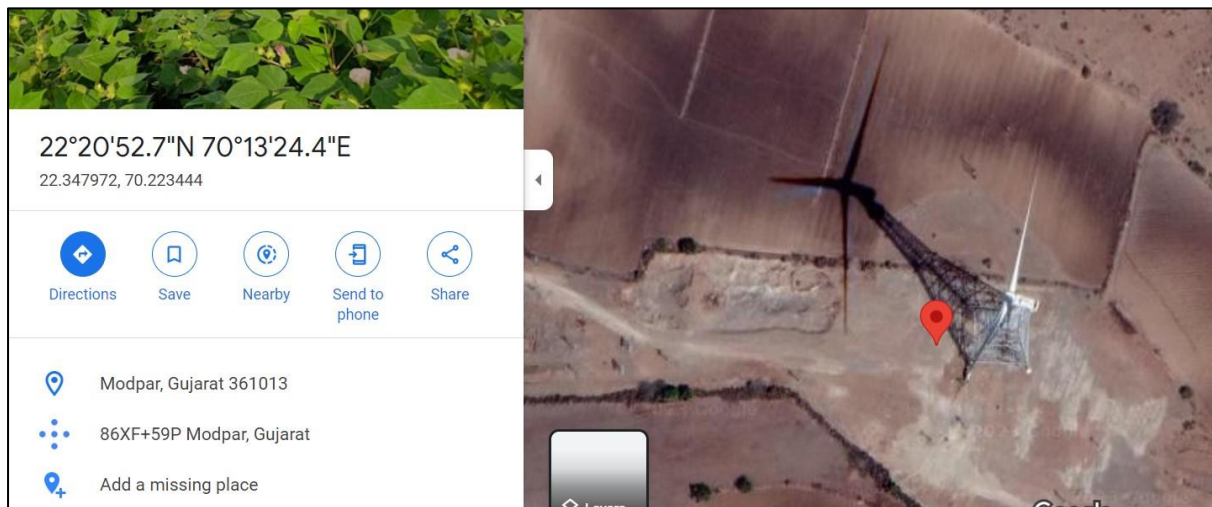


Figure-3: Google map photo of WTG 6411.