

CHAKALA WIND POWER PROJECT IN MAHARASHTRA

Document Prepared By M/s Bindu Vayu Urja Private Limited

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1 PROJECT DETAILS

1.1 Summary Description of the Project

Not Applicable

1.2 Sectoral Scope and Project Type

As per the categorisation by UNFCCC, the project activity falls under: under 'Sectoral Scope 1': Energy industries (renewable/non-renewable) .

Methodology applied is ACM 0002 of version 13.0.0

The project is not a grouped project activity.

1.3 Project Proponent

Organization name	M/s Bindu Vayu Urja Private Limited
Contact person	Mr. Vikram Kailas
Title	Managing Director
Address	8001, Q-City, S.No: 109,Nanakramguda, Gachibowli, Hyderabad, Andhra Pradesh-500032
Telephone	+91-40- 3376 0100
Email	Vikram.Kailas@mytrah.com

1.4 Other Entities Involved in the Project

Not applicable

1.5 Project Start Date

The project start date is 30th December 2011. The first WTG was commissioned as on the said date.

1.6 Project Crediting Period

The crediting period for the project activity is considered from 30th December 2011 to 29th December 2021, for 10 years.

1.7 Project Scale and Estimated GHG Emission Reductions or Removals

The project is a large scale project that involves setting up of 39 MW of wind power.

Project Scale	
Project	Yes

Large project	Not applicable
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Years	Estimated reductions or GHG emission removals (tCO ₂ e)
Year 1	74307
Year 2	74307
Year 3	74307
Year 4	74307
Year 5	74307
Year 6	74307
Year 7	74307
Year 8	74307
Year 9	74307
Year 10	74307
Total estimated ERs	743070
Total number of crediting years	10 Years (fixed)
Average annual ERs	74307

1.8 Description of the Project Activity

Not Applicable.

1.9 Project Location

The project activity is located at Nandurbar, Maharashtra State, India. The geo-coordinates of the project location is as follows:

Sr. No	Location. No.	Longitude (E)	Latitude (N)
1	C-38	21° 15' 30"	74° 19' 48 "
2	C-39	21° 15' 17.2"	74° 19' 39.4 "
3	C-40	21° 15' 13.6"	74° 19' 19.7 "
4	C-41	21° 14' 58.2"	74° 19' 26.7 "
5	C-42	21° 15' 48.2"	74° 19' 15 "
6	C-43	21° 15' 35.7"	74° 19' 10.5 "
7	C-44	21° 15' 23.9"	74° 19' 3.2 "
8	C-45	21° 15' 10.5"	74° 18' 59.2 "
9	C-46	21° 14' 57.1"	74° 19' 0.1 "
10	C-47	21° 15' 46.2"	74° 18' 41.2 "
11	C-48	21° 15' 33.2"	74° 18' 37.7 "
12	C-49	21° 15' 20"	74° 18' 36.1 "

13	C-50	21° 15' 6.6"	74° 18' 38 "
14	C-51	21° 15' 47.8"	74° 18' 13.7 "
15	C-52	21° 15' 33.4"	74° 18' 10.2 "
16	C-53	21° 15' 56.1"	74° 18' 24.4 "
17	C-54	21° 14' 43.8"	74° 18' 30.9 "
18	C-55	21° 15' 35.4"	74° 17' 45.6 "
19	C-56	21° 15' 23.3"	74° 17' 52 "
20	C-57	21° 15' 15.5"	74° 18' 19 "
21	C-58	21° 15' 1.1"	74° 18' 9 "
22	C-59	21° 14' 41.2"	74° 17' 53.4 "
23	C-60	21° 14' 29.6"	74° 18' 6.5 "
24	C-63	21° 14' 31"	74° 17' 41.1 "
25	C-64	21° 14' 23"	74° 17' 48.3 "
26	C-66	21° 14' 48.5"	74° 16' 37.2 "

The project is a Greenfield wind power project and does not involved generation of GHG emissions for the purpose of their subsequent reduction, removal or destruction.

1.10 Conditions Prior to Project Initiation

The project activity is set up to produce clean power from the wind energy converters (WEC's) which can be also named as Wind Turbine Generator (WTG). The project activity involves supply, erection, commissioning and operation of 26 machines of rated capacity 1.5 MW. The project is Greenfield project. There was no project installed prior to commissioning of this project.

The purpose of the project activity is to utilize renewable wind energy for generation of electricity. The project activity replaces anthropogenic emissions of greenhouse gases (GHG's) into the atmosphere, which is estimated to be approximately 74,307 tCO₂e per year, by displacing the equivalent amount of electricity generation through the operation of existing fuel mix in the grid comprising mainly fossil fuel based power plants and future capacity expansions connected to the grid

1.11 Compliance with Laws, Statutes and Other Regulatory Frameworks

Not Applicable.

1.12 Ownership and Other Programs

1.12.1 Right of Use

The project activity comprises of 26 WEGs with a capacity of 1.5 MW each owned by M/s Bindu Vayu Urja Private Limited (BVUPL). For the ownership details of the project any of the following may be referred to:

- Commissioning certificates
- Power purchase agreement

1.12.2 Emissions Trading Programs and Other Binding Limits

Project activity does not reduce GHG emissions from activities that are included in emissions trading program or any other mechanism that includes GHG allowance trading.

1.12.3 Other Forms of Environmental Credit

The project activity has not sought or received another form of GHG-related environmental credit.

1.12.4 Participation under Other GHG Programs

The project is registered under Clean Development Mechanism (CDM) of UNFCCC with 10 years of crediting period (Reference No: 9472)¹ of the project. Crediting period of the project under CDM starts on 02nd January 2013 and ends on 01st January 2023

1.12.5 Projects Rejected by Other GHG Programs

Not Applicable

1.13 Additional Information Relevant to the Project

Eligibility Criteria

Not applicable to the project activity.

Leakage Management

Not applicable to the project activity.

Commercially Sensitive Information

No commercially sensitive information has been excluded from the public version of the project description

Further Information

Not applicable to the project activity.

2 APPLICATION OF METHODOLOGY

2.1 Title and Reference of Methodology

Not Applicable.

2.2 Applicability of Methodology

Not Applicable.

¹ <http://cdm.unfccc.int/Projects/DB/BVQI1356940326.49/view>

2.3 Project Boundary

Not Applicable.

2.4 Baseline Scenario

Not Applicable.

2.5 Additionality

Not Applicable.

2.6 Methodology Deviations

Not Applicable.

3 QUANTIFICATION OF GHG EMISSION REDUCTIONS AND REMOVALS**3.1 Baseline Emissions**

Not Applicable.

3.2 Project Emissions

Not Applicable.

3.3 Leakage

Not Applicable.

3.4 Net GHG Emission Reductions and Removals

Not Applicable.

4 MONITORING**4.1 Data and Parameters Available at Validation**

Not Applicable.

4.2 Data and Parameters Monitored

Not Applicable.

4.3 Monitoring Plan

Not Applicable.

5 ENVIRONMENTAL IMPACT

Not Applicable.

6 STAKEHOLDER COMMENTS

Not Applicable.