

VAJRAKARUR WIND POWER PROJECT IN ANDHRA PRADESH

Document Prepared By MYTRAH VAYU (PENNAR) PVT. LTD.

Project Title	Vajrakarur wind power project in Andhra Pradesh
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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 categorization by UNFCCC, the project activity falls under ‘Scope 1, Sectoral Scope: Energy industries (renewable/non-renewable).

Methodology applied is ACM 0002, version 13.0.0

The project is not a grouped project activity

1.3 Project Proponent

Organization name	Mytrah Vayu (Pennar) Private Limited (MVPPL)
Contact person	Mr. Vikram Kailas
Title	Managing Director
Address	8001, Q-City, S.No:109, Gachibowli, Hyderabad- 500 032, India.
Telephone	+9140 33760 100
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 31st March 2012. This is because 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 31st March 2012 to 30th March 2022, 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 63 MW of wind power.

Project Scale	
Project	Yes
Large project	Not Applicable

Year	Estimated GHG reductions or emission removals (tCO ₂ e)
Year 1	124,363
Year 2	124,363
Year 3	124,363
Year 4	124,363
Year 5	124,363
Year 6	124,363
Year 7	124,363
Year 8	124,363
Year 9	124,363
Year 10	124,363
Total estimated ERs	1,243,630
Total number of crediting years	10 Years (Fixed)
Average annual ERs	124,363

1.8 Description of the Project Activity

Not Applicable.

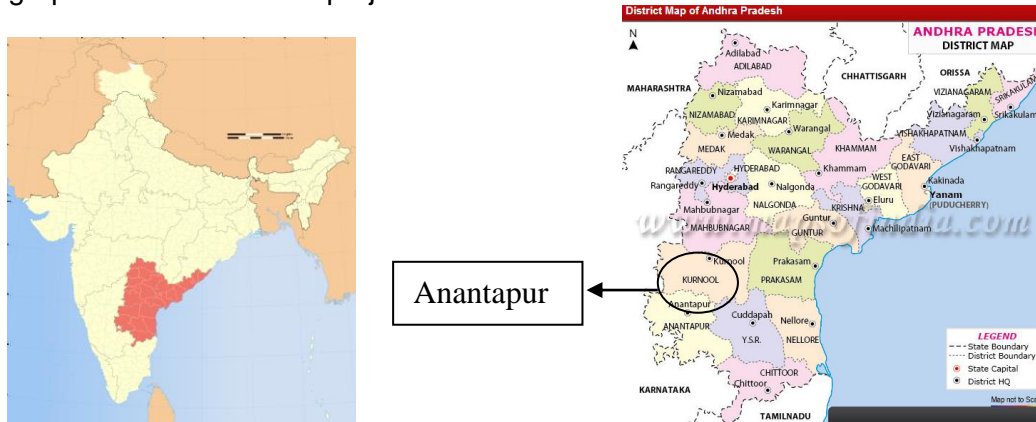
1.9 Project Location

The project activity is located in Vajrakarur village, Anantapur district of Andhra Pradesh state, India. The geo-coordinates of location of the project activity are as follows:-

Si. No	Location	Latitude(N)	Longitude(E)
1	VAR 010	15° 1' 7.68"	77° 14' 37.18"
2	VAR 015	15° 0' 27.99"	77° 15' 14.58"
3	VAR 016	15° 0' 27.88"	77° 16' 1.56"
4	VAR 018	15° 0' 4.79"	77° 15' 44.45"
5	VAR 019	14° 59' 52.17"	77° 16' 1.02"
6	VAR 022	14° 59' 6.44"	77° 15' 44.64"
7	VAR 023	14° 58' 56.84"	77° 15' 55.01"
8	VAR 024	14° 59' 23.72"	77° 16' 35.89"
9	VAR 026	15° 0' 43.37"	77° 16' 46.07"
10	VAR 027	15° 0' 16.94"	77° 17' 36.85"
11	VAR 028	15° 0' 4.62"	77° 17' 29.05"
12	VAR 029	14° 59' 42.71"	77° 17' 18.65"
13	VAR 030	14° 59' 30.30"	77° 17' 13.80"
14	VAR 037	14° 58' 42.71"	77° 18' 35.17"

15	VAR-038	14° 58' 21.07"	77° 17' 57.63"
16	VAR-039	14° 58' 6.25"	77° 17' 56.50"
17	VAR-040	14° 57' 44.42"	77° 18' 3.20"
18	VAR 050	14° 59' 58.87"	77° 19'4.90"
19	VAR 051	15° 0' 10.25"	77° 18' 55.68"
20	VAR 203	15° 1' 6.13"	77° 15' 21.67"
21	VAR 204	15° 0' 48.04"	77° 15' 22.42"
22	VAR 205	15° 0' 2.22"	77° 15' 8.52"
23	VAR 208	14° 58' 13.90"	77° 16' 27.42"
24	VAR 209	14° 58' 38.57"	77° 17'34.36"
25	VAR 216	15° 1' 29.917"	77° 16' 26.95"
26	VAR 217	15° 1' 16.78"	77° 16' 42.34"
27	VAR 300	15° 1' 23.81"	77° 15' 24.03"
28	VK 108	15° 2' 21.62"	77° 16' 27.63"
29	VK 109	15° 2' 30.00"	77° 16' 16.30"
30	VK 110	15° 2' 38.23"	77° 16' 5.95"

The geographical location of the project site is as shown below:-



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 30 machines of rated capacity 2.1 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 124,363 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 30 WEGs with a capacity of 2.1 MW each owned by Mytrah Vayu (Pennar) Private Limited. 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 crediting period (Reference No: 9650). Crediting period of the project under CDM starts on 11th June 2013 and ends on 10th June 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.

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.