

BUNDLED WIND POWER PROJECT IN JAMNAGAR, GUJARAT



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Project Title	Bundled wind power project in Jamnagar, Gujarat
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1 PROJECT DETAILS

1.1 Summary Description of the Project

Please refer to registered PDD (dated 04/02/2013) in UNFCCC, Project No. 4964.
(<http://cdm.unfccc.int/Projects/DB/SGS-UKL1309779882.44/view>)

1.2 Sectoral Scope and Project Type

Sectoral scope : 1 Energy Industries (renewable -/ non renewable sources)

Project Type: I, Renewable energy project

Please refer to registered PDD (dated 04/02/2013) in UNFCCC, Project No. 4964.
(<http://cdm.unfccc.int/Projects/DB/SGS-UKL1309779882.44/view>)

The project is not a grouped project.

1.3 Project Proponent

Vish Wind Infrastructure LLP

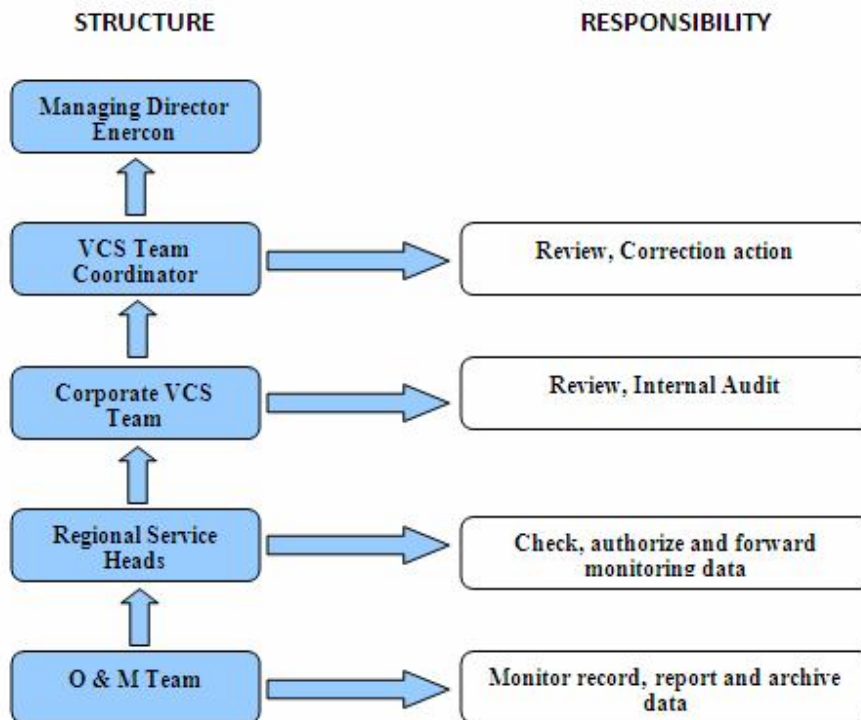
Organization:	Vish Wind Infrastructure LLP
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Street/P.O.Box:	L.B.S Marg, Vikhroli (West)
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E-Mail:	
URL:	
Represented by:	
Title:	Director
Salutation:	Mrs
Last Name:	Mehra
Middle Name:	
First Name:	Radhika
Department:	Corporate
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Roles & Responsibility



1.4 Other Entities Involved in the Project

Please refer to registered PDD (dated 04/02/2013) in UNFCCC, Project No. 4964.
<http://cdm.unfccc.int/Projects/DB/SGS-UKL1309779882.44/view>

1.5 Project Start Date

27/09/2010 (Date of commissioning of first WTG)

1.6 Project Crediting Period

27/09/2010 to 26/09/2020

1.7 Project Scale and Estimated GHG Emission Reductions or Removals

Project	Yes
Large project	No

Years	Estimated GHG emission reductions or removals (tCO ₂ e)
Year 1	18,541
Year 2	18,541
Year 3	18,541
Year 4	18,541
Year 5	18,541
Year 6	18,541
Year 7	18,541
Year 8	18,541
Year 9	18,541
Year 10	18,541
Total estimated ERs	185,410
Total number of crediting years	10
Average annual ERs	18,541

1.8 Description of the Project Activity

Please refer to registered PDD (dated 04/02/2013) in UNFCCC, Project No. 4964.
<http://cdm.unfccc.int/Projects/DB/SGS-UKL1309779882.44/view>

1.9 Project Location

The Project is spread across villages of Jamnagar district in the state of Gujarat. Nearest airport and railway station are at Jamnagar city which is located at a distance of approximately 60 kms from the project activity site. The longitude and latitude details of WTGs are given below:

Sr. No.	Project Owner	Unique WTG ID No.	Latitude			Longitude		
			Deg.	Min.	Sec.	Deg.	Min.	Sec.
1	J. N. Investment & Trading Co. Private	EIL/800/10-11/1822	21	59	20.8	70	13	19
2		EIL/800/10-11/1823	21	59	12.7	70	13	19.7

3	Limited	EIL/800/10-11/1824	21	58	42.7	70	13	11.1
4		EIL/800/10-11/1825	21	56	1.8	70	11	4.1
5	Vish Wind Infrastructure LLP	EIL/800/10-11/1887	21	56	13.4	70	11	11.5
6		EIL/800/10-11/1888	21	56	19.1	70	11	3
7		EIL/800/10-11/1889	21	59	23.7	70	6	53.3
8		EIL/800/10-11/1890	21	59	48.6	70	6	17.5
9		EIL/800/10-11/1891	21	58	57.6	70	10	21.9
10		EIL/800/10-11/1892	21	59	6.3	70	10	19.9
11		EIL/800/10-11/1893	21	59	23.3	70	10	14.4
12		EIL/800/10-11/1894	21	59	29.8	70	10	8.6

Please refer to registered PDD (dated 04/02/2013) in UNFCCC, Project No. 4964 for further details.

<http://cdm.unfccc.int/Projects/DB/SGS-UKL1309779882.44/view>

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 12 machines of rated capacity 800 kW. 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 18,541 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

Please refer to registered PDD (dated 04/02/2013) in UNFCCC, Project No. 4964.

<http://cdm.unfccc.int/Projects/DB/SGS-UKL1309779882.44/view>

1.12 Ownership and Other Programs

1.12.1 Right of Use

The documents like power purchase agreement, commissioning certificate and statements showing energy generation through WTG (joint meter readings) related with the ownership of the WTGs substantiates as the right of use for the concerned project activity.

1.12.2 Emissions Trading Programs and Other Binding Limits

The requirements of the VCS Project Description pertaining to this section have been addressed as follows:

“Where projects reduce GHG emissions from activities that are included in an emissions trading program or any other mechanism that includes GHG allowance trading, evidence shall be

provided that the GHG emission reductions or removals generated by the project have not and will not be otherwise counted or used under the program or mechanism. Such evidence may include:

- 1) A letter from the program operator designated national authority or other relevant regulatory authority that emissions allowances (or other GHG credits used in the program) equivalent to the reductions or removals generated by the project have been cancelled from the program or national cap, as applicable.
- 2) Evidence of the purchase and cancellation of GHG allowances equivalent to the GHG emissions reductions or removals generated by the project related to the program or national cap.
- 3) Evidence from the program operator, designated national authority or other relevant regulatory authority stating that the specific GHG emission reductions or removals generated by the project or type of project are not within the scope of the program or national cap.”

The host country of the project activity under consideration, i.e., India is a non Annex-I, or, a developing nation as recognised by the Kyoto Protocol. Hence, there are no GHG emission reduction targets or commitments for India and it does not fall under the purview of any compliance driven Emission Trading Programs. Furthermore, there are also no such voluntary emission trading programs similar to the VCS existent in the country. This confirms there are no emissions trading programs prevalent in the host country of the project activity under consideration, i.e., India at the time of preparation of the VCS PD.

The host country of the project activity, India, being a non Annex-I nation under the Kyoto Protocol, India does not have GHG emission reduction targets or commitments. This confirms there are no national caps on GHG emissions prevalent in India at the time of preparation of the VCS PD. Therefore, it is not applicable for the project activity.

1.12.3 Participation under Other GHG Programs

Registered under CDM

Project Reference Number: 4964

Date of Registration: 15/07/2011

<http://cdm.unfccc.int/Projects/DB/SGS-UKL1309779882.44/view>

1.12.4 Other Forms of Environmental Credit

Not Applicable.

1.12.5 Projects Rejected by Other GHG Programs

The WTGs under the project activity has applied for CDM registration and got registered on 15th July, 2011 under UNFCCC CDM EB and hence did not get rejected. Also, it must also be noted

that the WTGs have not applied for GHG abatement benefits in other mechanism(s) other than CDM and hence did not get rejected.

1.13 Additional Information Relevant to the Project

Eligibility Criteria

As per VCS Standard 3 (v 3.3), Grouped projects are projects structured to allow the expansion of a project activity subsequent to project validation. The concerned project activity does not allow expansion. Hence, the concerned project activity does not fall under grouped projects.

Leakage Management

There are no such risks identified for the project activity for having a leakage management plan.

Commercially Sensitive Information

There is no commercially sensitive information that has been excluded from the public version of the project description.

Further Information

There is no additional relevant legislative, technical, economic, sectoral, social, environmental, geographic, site specific and/or temporal information that may have a bearing on the eligibility of the project, the net GHG emission reductions or removals, or the quantification of project's site specific net GHG emission reductions or removals.

2 APPLICATION OF METHODOLOGY

2.1 Title and Reference of Methodology

Please refer to registered PDD (dated 04/02/2013) in UNFCCC, Project No. 4964.
(<http://cdm.unfccc.int/Projects/DB/SGS-UKL1309779882.44/view>)

2.2 Applicability of Methodology

Please refer to registered PDD (dated 04/02/2013) in UNFCCC, Project No. 4964.
(<http://cdm.unfccc.int/Projects/DB/SGS-UKL1309779882.44/view>)

2.3 Project Boundary

Please refer to registered PDD (dated 04/02/2013) in UNFCCC, Project No. 4964.
(<http://cdm.unfccc.int/Projects/DB/SGS-UKL1309779882.44/view>)

2.4 Baseline Scenario

Please refer to registered PDD (dated 04/02/2013) in UNFCCC, Project No. 4964.
(<http://cdm.unfccc.int/Projects/DB/SGS-UKL1309779882.44/view>)

2.5 Additionality

Please refer to registered PDD (dated 04/02/2013) in UNFCCC, Project No. 4964.
(<http://cdm.unfccc.int/Projects/DB/SGS-UKL1309779882.44/view>)

2.6 Methodology Deviations

Please refer to registered PDD (dated 04/02/2013) in UNFCCC, Project No. 4964.
(<http://cdm.unfccc.int/Projects/DB/SGS-UKL1309779882.44/view>)

3 QUANTIFICATION OF GHG EMISSION REDUCTIONS AND REMOVALS

3.1 Baseline Emissions

Please refer to registered PDD (dated 04/02/2013) in UNFCCC, Project No. 4964.
(<http://cdm.unfccc.int/Projects/DB/SGS-UKL1309779882.44/view>)

3.2 Project Emissions

Please refer to registered PDD (dated 04/02/2013) in UNFCCC, Project No. 4964.
(<http://cdm.unfccc.int/Projects/DB/SGS-UKL1309779882.44/view>)

3.3 Leakage

Please refer to registered PDD (dated 04/02/2013) in UNFCCC, Project No. 4964.
(<http://cdm.unfccc.int/Projects/DB/SGS-UKL1309779882.44/view>)

3.4 Summary of GHG Emission Reductions and Removals

Please refer to registered PDD (dated 04/02/2013) in UNFCCC, Project No. 4964.
(<http://cdm.unfccc.int/Projects/DB/SGS-UKL1309779882.44/view>)

4 MONITORING

4.1 Data and Parameters Available at Validation

Please refer to registered PDD (dated 04/02/2013) in UNFCCC, Project No. 4964.
(<http://cdm.unfccc.int/Projects/DB/SGS-UKL1309779882.44/view>)

4.2 Data and Parameters Monitored

Please refer to registered PDD (dated 04/02/2013) in UNFCCC, Project No. 4964.
(<http://cdm.unfccc.int/Projects/DB/SGS-UKL1309779882.44/view>)

4.3 Description of the Monitoring Plan

Please refer to registered PDD (dated 04/02/2013) in UNFCCC, Project No. 4964.
(<http://cdm.unfccc.int/Projects/DB/SGS-UKL1309779882.44/view>).

5 ENVIRONMENTAL IMPACT

Please refer to registered PDD (dated 04/02/2013) in UNFCCC, Project No. 4964.
(<http://cdm.unfccc.int/Projects/DB/SGS-UKL1309779882.44/view>)

6 STAKEHOLDER COMMENTS

Please refer to registered PDD (dated 04/02/2013) in UNFCCC, Project No. 4964.
(<http://cdm.unfccc.int/Projects/DB/SGS-UKL1309779882.44/view>)