BUNDLED WIND POWER GENERATION PROJECT BY SAVITA OIL TECHNOLOGIES LTD., INDIA

Document Prepared By Savita Oil Technologies Limited

Project Title	Bundled Wind Power generation project by Savita Oil Technologies Ltd., India
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Table of Contents

1 PROJECT DETAILS

1.1 Summary Description of the Project

Provide a summary description of the project.

1.2 Sectoral Scope and Project Type

As per the CDM Guidelines, the project activity belongs to:

Sectoral Scope 01: Energy Industries (renewable/non-renewable sources.)

1.3 Project Proponent

The project proponent details are:

Mr. Chandrakant L. Kale
President – Renewable Energy
Savita Oil Technologies Limited
66/67 Nariman Bhavan,
Nariman Point, Mumbai- 400 021
Maharashtra, India
Tel No.: +91 22 2288 3061, Email: clkale@savita.com

1.4 Other Entities Involved in the Project

Provide contact information and roles/responsibilities for any other entities involved in the development of the project.

1.5 Project Start Date

As per the VCS Standard, Version 3, dated 8th March 2011, the start date of the project activity is defined as the "the date on which the project began reducing or removing GHG emissions". For this project activity, the start date of the project activity was 18/03/2010, which is the date of commissioning of the first WTG.

1.6 Project Crediting Period

The crediting period of the project activity is from 18/03/2010 to 31/12/2011 (first and last days included).
Total number of years: 1.79 years i.e. 654 days

1.7 Project Scale and Estimated GHG Emission Reductions or Removals

Project	X

Mega-project	-

Estimated GHG Emission Reductions: 15,268 tCO_2e per year

Project Scale: Projects (GHG Emission reductions less than 1,000,000 tCO_2e per year)

1.8 Description of the Project Activity

Describe the project activity or activities (including the technologies or measures employed) and how it/they will achieve net GHG emission reductions or removals. Indicate the lifetime of the project activity(s).

1.9 Project Location

1. Village : Sadawaghapur
Taluka : Patan
District : Satara
State : Maharashtra
Country : India

The co-ordinates are:

WTG	Latitude (N)	Longitude (E)
S – 40	17°24'00"	73°56'18"
S – 63	17°25'16.8"	73°55'33.6"
S – 64	17°25'22.8"	73°55'40.2"

2. Village : Thadichery & Koduvilarpatti
Taluka : Theni
District : Theni
State : Tamil Nadu
Country : India

The co-ordinates are:

WTG	Latitude (N)	Longitude (E)
T45	9°56'38.06"	77°27'54.78"
T46	9°56'44.20"	77°27'37.70"
T75	9°56'42.78"	77°29'39"

1.10 Conditions Prior to Project Initiation

Prior to the project activity the electricity would have been supplied by the existing grid connected power plants (Southern Grid for Tamil Nadu site and NEWNE grid for Maharashtra site). The major contributor to the grid is the fossil fuel based thermal power sources. The burning of fossil fuel to produce energy is responsible for GHG emissions into the atmosphere. The baseline scenario is the same as the pre project scenario.

Emission reductions are claimed on the net electrical energy that is supplied to grid which is metered using electrical meters located at the electrical substation which is linked with the WTGs of the project activity by feeders. Details of monitoring of emission reductions and their calculation have been provided in the CDM registered PDD. Being a renewable resource, using wind energy to generate electricity contributes to resource conservation. The project activity feeds clean power to the electricity grid thereby helping in significant reduction of GHG emissions. The project activity is also responsible for sustainable economic growth and conservation of environment through use of wind as a renewable source.

1.11 Compliance with Laws, Statutes and Other Regulatory Frameworks

Identify and demonstrate compliance of the project with all and any relevant local, regional and national laws, statutes and regulatory frameworks.

1.12 Ownership and Other Programs

1.12.1 Proof of Title

The evidence of proof of title is substantiated through Host Country Approval (HCA) for this project activity and is provided to the DOE.

1.12.2 Emissions Trading Programs and Other Binding Limits

This project activity is voluntary initiative of Savita Oil Technologies Limited and is not to meet any local laws or regulatory compliances. The emission reduction achieved under this activity is not utilized to meet pollution control requirement of the entities.

1.12.3 Participation under Other GHG Programs

Title: Bundled Wind Power generation project by Savita Oil Technologies Ltd., India

Date of CDM Registration: 14/12/2011

CDM Reference Number: 5485

1.12.4 Other Forms of Environmental Credit

Emission reduction generated from the project activity will not be double counted (i.e. issuance of other form of environmental credit/certificate) for a particular crediting period.

Savita Oil Technologies Limited will submit an undertaking that they shall not claim for GHG emission reduction credits for the given period under any other emission trading program.

1.12.5 Projects Rejected by Other GHG Programs

Indicate whether the project has been rejected by any other GHG programs. Where the project has been rejected, provide the relevant information.

1.13 Additional Information Relevant to the Project

Eligibility Criteria

This project is not a grouped project

Leakage Management

There are no leakages from the project and hence not applicable.

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 the project's net GHG emission reductions or removals.

2 APPLICATION OF METHODOLOGY

2.1 Title and Reference of Methodology

Provide the title, reference and version number of the methodology or methodologies applied to the project.

2.2 Applicability of Methodology

Demonstrate and justify that the project activity(s) meet the applicability conditions of the methodology(s) applied to the project.

2.3 Project Boundary

Define the project boundary and identify the relevant GHG sources, sinks and reservoirs for the project and baseline scenarios (including leakage if applicable).

Source		Gas	Included?	Justification/Explanation
Baseline	Source 1	CO_2		
		CH_4		
		N_2O		
		Other		
	Source 2	CO_2		
		CH_4		

Source		Gas	Included?	Justification/Explanation
		N_2O		
		Other		
Project	Source 1	CO_2		
		CH_4		
		N_2O		
		Other		
	Source 2	CO_2		
		CH_4		
		N_2O		
		Other		

2.4 Baseline Scenario

Identify and justify the baseline scenario.

2.5 Additionality

Demonstrate and assess the additionality of the project, undertaken in accordance with the applied methodology.

2.6 Methodology Deviations

Describe and justify any methodology deviations.

3 QUANTIFICATION OF GHG EMISSION REDUCTIONS AND REMOVALS

3.1 Baseline Emissions

Describe the procedure for quantification of the baseline emissions and/or removals. Include all relevant equations.

3.2 Project Emissions

Describe the procedure for quantification of the project emissions and/or removals. Include all relevant equations.

3.3 Leakage

Describe the procedure for quantification of the leakage emissions. Include all relevant equations.

3.4 Summary of GHG Emission Reductions and Removals

Describe the procedure for quantification of net GHG emission reductions and removals. Include all relevant equations For AFOLU projects, include net change in carbon stocks.

Provide the ex-ante calculation (estimate) of baseline emissions/removals, project emissions/removals, leakage emissions and net emission reductions and removals, using the table below:

Years	Estimated baseline emissions or removals (tCO2e)	Estimated project emissions or removals (tCO2e)	Estimated leakage emissions (tCO2e)	Estimated net GHG emission reductions or removals (tCO2e)
Year A				
Year B				
Year C				
Year...				
Total				

4 MONITORING

4.1 Data and Parameters Available at Validation

Describe data and parameters available at validation using the following table (copy table for each data unit/parameter).

Data Unit / Parameter:	
Data unit:	
Description:	
Source of data:	
Value applied:	
Justification of choice of data or description of measurement methods and procedures applied:	
Any comment:	

4.2 Data and Parameters Monitored

Describe data and parameters monitored subsequent to validation using the following table (copy table for each data unit/parameter).

Data Unit / Parameter:	
Data unit:	
Description:	
Source of data:	
Description of measurement methods and procedures to be applied:	*Identify how the data/parameter is measured*
Frequency of monitoring/recording:	*Identify measurement and recording frequency*
Value applied:	*Provide estimated value for the purpose of calculating ex-ante GHG emission reductions or removals*
Monitoring equipment:	*Identify equipment used to monitor the data/parameter including type, accuracy class, serial number of equipment*
QA/QC procedures to be applied:	*Identify calibration information such as frequency, date of last calibration and validity*
Calculation method:	*If applicable*
Any comment:	

4.3 Description of the Monitoring Plan

- *Describe the monitoring plan.*
- *Identify organizational structure, responsibilities and competencies.*
- *Describe methods for generating, recording, storing, aggregating, collating and reporting data on monitored parameters.*
- *Describe procedures for handling internal auditing and non-conformities.*

Line diagrams may be used to display the GHG collection and management system.

5 ENVIRONMENTAL IMPACT

Summarize any environmental impact assessments carried out with respect to the project, where applicable.

6 STAKEHOLDER COMMENTS

Summarize relevant outcomes from stakeholder consultations and mechanisms for on-going communication.