

13.75 MW wind power project in Davangere, Karnataka, India

Document Prepared By (Sargam Retails Pvt. Limited)

Project Title	13.75 MW wind power project in Davangere, Karnataka, India
Version	1
Date of Issue	22-July-2011
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1 PROJECT DETAILS

1.1 Summary Description of the Project

The project activity leads to the installation of 10 Wind Turbine Generators (WTGs) of total generating capacity of 13.75 MW (5 nos of Suzlon make S 82 WTGs each having generating capacity of 1500 kW & 5 nos of Suzlon make S 64 WTGs each having generating capacity of 1250 kW). Their locations are in Davangere district of Karnataka state of India.

The main purpose of the project activity is to generate electrical energy through sustainable means using wind power resources, to utilize the generated output for supply to Karnataka Power Transmission Company Limited (KPTCL) and to contribute to climate change mitigation efforts. This renewable energy produced is partially contributing to the electricity provided by the KPTCL.

The project is utilizing wind energy for generating electricity which otherwise would have been generated through alternate fuels (most likely - fossil fuel) based power plants thus, contributing to reduction in specific emissions (emissions of pollutant) including GHG emissions.

1.2 Sectoral Scope and Project Type

The project falls under the following sectoral scope and type:

Sectoral Scope 1: Energies Industries (Renewable/ Non- renewable sources)

Type I – Renewable Energy project

Category D: "Grid connected renewable electricity generation" (Version 15).

1.3 Project Proponent

Contact information of the person & entity responsible for completing the monitoring report form is as below:

Organization:	Sargam Retails Pvt. Limited
Street/P.O.Box:	Indira Gandhi Marg,
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Represented by:	
Title:	Head- Wind Power Projects

Salutation:	Mr.
Last Name:	Khinvasara
Middle Name:	Premchand
First Name:	Prafulla
Direct Fax	+91 2425 225003
Mobile:	+91 9822322145
Direct tel:	+91 2425 225011 (Extension 215)
Personal E-Mail:	prafulla@malpani.com

1.4 Other Entities Involved in the Project

1.5 Project Start Date

The start date of the project activity is 31st March 2009 that is the date of the commissioning of the first WTG.

1.6 Project Crediting Period

VCS Crediting period - 31/03/2009 to 06/01/2011 (both days included).

1.7 Project Scale and Estimated GHG Emission Reductions or Removals

Project	√
Mega-project	

Years	Estimated GHG emission reductions or removals (tCO ₂ e)
2010	26,475
2011	26,475
2012	26475
2013	26,475
2014	26,475
2015	26,475

2016	26,475
Total estimated ERs	185,325
Total number of crediting years	7 years
Average annual ERs	26,475

1.8 Description of the Project Activity

<http://cdm.unfccc.int/Projects/DB/SGS-UKL1273659698.37/view>

1.9 Project Location

The project activity is located at Davangere in the state of Karnataka.

Davangere: 14° 27'13.39"N, 75° 55'08.15"E,

Latitude & Longitude:

Location Details of M/s Sargam Retails					
Capacity	Location No.	R.S. No.	Village	Taluka	District
1.5 MW	K-543	111	Yaraganal	Honnali	Davangere
1.5 MW	K-544	111	Yaraganal	Honnali	Davangere
1.5 MW	K-549	28	Kudurekonda	Honnali	Davangere
1.5 MW	K-550	28	Kudurekonda	Honnali	Davangere
1.5 MW	K-551	28	Kudurekonda	Honnali	Davangere
1.25 MW	K-538	111	Yaraganal	Honnali	Davangere
1.25 MW	K-539	111	Yaraganal	Honnali	Davangere
1.25 MW	K-540	111	Yaraganal	Honnali	Davangere
1.25 MW	K-541	111	Yaraganal	Honnali	Davangere
1.25 MW	K-542	111	Yaraganal	Honnali	Davangere

WEG	Capacity (MW)	Taluka	District	Latitude	Longitude
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K-543	1.5 MW	Honnali	Davangere	14°09'17.4"	75°30'11.9"
K-544	1.5 MW	Honnali	Davangere	14°09'10.4"	75°30'17.6"
K-549	1.5 MW	Honnali	Davangere	14°09'03.2"	75°30'23.1"
K-550	1.5 MW	Honnali	Davangere	14°08'57.2"	75°30'29.9"
K-551	1.5 MW	Honnali	Davangere	14°08'51.2"	75°30'36.7"
K-538	1.25 MW	Honnali	Davangere	14°08'45.3"	75°30'43.7"
K-539	1.25 MW	Honnali	Davangere	14°08'39.5"	75°30'50.9"
K-540	1.25 MW	Honnali	Davangere	14°08'13.3"	75°31'32.4"
K-541	1.25 MW	Honnali	Davangere	14°08'07.4"	75°31'38.8"
K-542	1.25 MW	Honnali	Davangere	14°07'59.5"	75°31'44.1"

In this project activity, the project boundary is composed of 10 Wind Turbine Generators and the metering equipment for each generator and substation, and the grid (Southern regional grid) which is used to transmit the generated electricity.

1.10 Conditions Prior to Project Initiation

The project activity is a Greenfield activity that is the installation of WTGs for generating electricity. In the absence of the project activity taken up by the Project Proponent, the renewable energy source from the wind power would not have been generated. This would have resulted in equivalent power generation from the fossil fuel based Southern Region Grid, India. Therefore the energy base line is the electrical energy displaced by the wind mill installed by the project proponent in the Southern Grid that would have continued without implementation of project activity.

1.11 Compliance with Laws, Statutes and Other Regulatory Frameworks

1.12 Ownership and Other Programs

1.12.1 Proof of Title

The evidence of proof of title is substantiated through power purchase agreement (PPA) and 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 Sargam Retails Pvt. Ltd. and it is not to meet any local laws or regulatory compliances.

Sargam Retails Pvt. Limited has submitted an undertaking that they shall not claim for GHG emission reduction credits for the given period under any other emission trading program.

1.12.3 Participation under Other GHG Programs

Title: 13.75 MW wind power project in Davangere, Karnataka, India

Date of CDM Registration: 7/01/2011

CDM Reference Number: 3700

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.

Sargam Retails Pvt. Ltd. has submitted 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

The project activity has not been rejected by any other GHG programs.

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

2.2 Applicability of Methodology

2.3 Project Boundary

Source		Gas	Included?	Justification/Explanation
Baseline	Source 1	CO ₂		
		CH ₄		
		N ₂ O		
		Other		
	Source 2	CO ₂		
		CH ₄		
		N ₂ O		
		Other		
Project	Source 1	CO ₂		
		CH ₄		
		N ₂ O		
		Other		
	Source 2	CO ₂		
		CH ₄		
		N ₂ O		
		Other		

2.4 Baseline Scenario.

2.5 Additionality

2.6 Methodology Deviations

3 QUANTIFICATION OF GHG EMISSION REDUCTIONS AND REMOVALS

3.1 Baseline Emissions

3.2 Project Emissions

3.3 Leakage

3.4 Summary of GHG Emission Reductions and Removals

Years	Estimated baseline emissions or removals (tCO ₂ e)	Estimated project emissions or removals (tCO ₂ e)	Estimated leakage emissions (tCO ₂ e)	Estimated net GHG emission reductions or removals (tCO ₂ e)
Year A				
Year B				
Year C				
Year...				
Total				

4 MONITORING

4.1 Data and Parameters Available at Validation

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

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

4.3 Description of the Monitoring Plan

5 ENVIRONMENTAL IMPACT

6 STAKEHOLDER COMMENTS