

CDM – Executive Board

SECTION A. General description of small-scale project activity**A.1 Title of the small-scale project activity:**

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4.5 MW wind power project of PCI Limited at Gujarat, India

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A.2. Description of the small-scale project activity:

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The proposed CDM project activity comprises of installation and operation of three (3) nos. of 1.5 MW Wind Electricity Generators (WEGs) each having a combined wind power generation capacity of 4.5 MW. The WEGs are located in the Surajbari creek in Village Jangi, Taluka Bhachau, District Kutch, State Gujarat, India. It is one of the wind rich areas of the country. The annual estimated power generation for each of the 1.5 MW WEG is 34 Lakh units. All three WEGs are connected to the NEWNE (Northern, Eastern, Western, North-Eastern) grid and the generated electricity is sold to Gujarat Urja Vikas Nigam Limited (GUVNL) as per the Power Purchase Agreement (PPA). Details of the WEGs installed under the proposed CDM project are provided in *Table 1*.

Table 1**Details of the WEGs (SUZLON S82/ 1500 KW WEG) installed under the proposed CDM project**

S. No.	Company Name	WEG Capacity (kW)	WEG Nos.	Date of Commissioning	WEG Location
1.	PCI Limited	1500	SEL/1500/07-08/0973	17/03/2008	Village: Jangi, Taluka: Bhachau, District: Kutch, State: Gujarat
2.		1500	SEL/1500/07-08/0974		
3.		1500	SEL/1500/07-08/0975		

The main objective of the CDM project activity is generation of power using wind energy in the state of Gujarat. The project activity generates cleaner and more sustainable electricity and exports it to the grid thereby displacing electricity that would have been generated in predominantly fossil fuel consuming power plants connected to the grid.

The proposed CDM project activity assists in the sustainable development of the Country, and the State of Gujarat by increasing availability of clean power, reducing dependency on fossil fuels, reducing local air pollution, providing emission free clean electricity and providing employment to rural youth both during the construction phase and in support services during entire lifetime of the project.

The proposed CDM project activity is playing a role in the sustainable development of the state of Gujarat. The various aspects are covered as follows:

Social well being:

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The project activity leads to employment generation during the construction phase of the project. The project activity will also lead to better infrastructure like approach roads in the project area which will help to make the lives of local people more comfortable.

Economic well being:

The project implementation has provided a fillip to economic activity in the region. Direct & indirect employment has been generated in the plant for the project implementation & management. The success of this project will encourage more business houses to invest in Wind Power. This will lead to positive contribution towards renewable energy generation and GHG reduction, thereby contributing to national development as well as mitigation of climate change.

Environmental well being:

The wind power project is a source of clean renewable power and therefore, helps in reducing the burning of fossil fuel to generate power. This reduces the GHG emissions in the atmosphere. Use of renewable energy source (wind energy) also helps in conservation of natural resources (like coal), thereby contributing to energy security of the country.

Technological well being:

The technology used in the power plant is demonstrated and safe. Research & Development efforts are also ongoing to develop more efficient machines in the future.

A.3. Project participants:

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PCI Limited is the sole owner of the project activity and shall be the single point of contact for all communication with the CDM Executive Board and the National CDM Authority. For the time being there is no Annex I country participant in the CDM project activity.

Name of Party involved (*) ((host) indicates a host party)	Private and/or public entity (ies) Project participants (*) (as applicable)	Kindly indicate if the Party involved wishes to be considered as project participant (Yes/ No)
Government of India (a host party)	PCI Limited (a private entity)	No

A.4. Technical description of the small-scale project activity:**A.4.1. Location of the small-scale project activity:**

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India

A.4.1.1. Host Party(ies):

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Government of India

A.4.1.2. Region/State/Province etc.: