Pre-Project Scenario

The client is having experience in the wind energy. The client has installed six WTGs in the past to supply electricity to Tamil Nadu Electricity Board by harnessing wind energy which is renewable source of energy.

Sl. No.	WEG Capacity (MW)	Name of the Project Promoter	Make of WEG	Date of Commissioning	WEGH TSC No.	Location (Village, Taluk, District, State)
1.	0.225	Coimbatore Pioneer Fertilizers Limited	RRB Energy Limited	04/09/2002	254	Kethanur Palladam Coimbatore Tamil Nadu
2.	0.225	Coimbatore Pioneer Fertilizers Limited	RRB Energy Limited	26/09/2003	291	Metrathy Udumalpet Coimbatore Tamil Nadu
3.	0.5	Coimbatore Pioneer Fertilizers Limited	RRB Energy Limited	05/03/2004	346	Gudimangalam Udumalpet Coimbatore Tamil Nadu
4.	0.6	Coimbatore Pioneer Fertilizers Limited	RRB Energy Limited	26/03/2009	786	Vathambacherry Palladam Tirupur Tamil Nadu
5.	0.6	Coimbatore Pioneer Fertilizers Limited	RRB Energy Limited	26/03/2009	787	Vathambacherry Palladam Tirupur Tamil Nadu

Contribution of the project activity to sustainable development in view of project participant

Coimbatore Pioneer Fertilizers Limited believes that the project activity has contributed to sustainable development in following manner:

- Social well being
- Economic well being
- Environmental well being
- Technological well being

Social well being

The social well being is assessed by the contribution of the project activity towards improvement in the living standards of the local community. The project activity has provided job opportunities to the local population during erection and operation of the wind farms thus, contributing towards poverty alleviation of the local community. This project activity has also led to the development of basic amenities leading to improvement in living standards of the local population. Thus the project activity has contributed to social well being.

Economic well being

- Wind farms need large area. Thus, the procurement of land by the project promoter, has led to the appreciation of land value benefiting the landowners and local community directly. These lands were generally unproductive. Most of the wind energy potential areas are remotely located areas and are largely unfertile. These lands generally command low prices. But due to the land demand for wind farms, the land prices have increased leading to economic well being of the local community. The wind energy developers allow the erstwhile owners and other farmers to do cultivation in the land where WEGs are erected and help in additional income for the farmers and local community. Thus, procurement of land has not deprived the erstwhile landowners of their livelihood and has not caused any resettlement. After selling the lands to wind energy developers, many farmers still get to do agriculture in the same land.
- The project activity has created direct and indirect job opportunities to the local community during installation and operation of the WEGs. The investment for the project activity has increased the economic activity of the local area. The above have contributed to the economic well being and social well being of the local community.
- The project activity also contributes in economic well being of the nation's economy by reducing import of coal and other fossil fuel for electricity generation in hard currency.
- Southern grid, being a power deficit grid[2], needs additional power generating units.

Period	Peak Demand (MW)	Energy Requirement (MU)	Energy Availability (MU)	Energy Deficit/ Surplus (MU)	Energy Deficit/ Surplus (%)
2002-2003	22419	140625	130530	-10095	-7.2
2003-2004	23183	144372	136844	-7528	-5.2
2004-2005	23075	147672	145395	-2277	-1.5
2005-2006	24889	157179	155790	-1389	-0.9
2006-2007	26176	180091	175197	-4894	-2.7

[2]Refer to: http://www.cea.nic.in/planning/POWER%20SCENARIO%20AT%20A%20GLANCE/PSG.pdf

2007-2008	26777	187743	181820	-5923	-3.2
2008-2009	28958	204012	188794	-15218	-7.5

Environmental well being

- It helps in mitigating the risks associated with green house gas emissions by supplying power to the local grid.
- It helps in conservation of non-renewable natural resources like coal, oil etc. which may cater future applications.
- It leads to the environmental well being by generating eco-friendly green power.

Technological well being

- The technology used in the power plant is well proven and safe. The technology selected for the power project is Wind Turbine Generators, manufactured by M/s RRB Energy Limited.

A.3. Project participants:

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Name of Party Involved	Private and/or Public entity Project Participants	Kindly indicate if the party involved wishes to be considered as project participant (Yes/No)
India (Host country)	Coimbatore Pioneer Fertilizers Limited (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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A.4.1.1. Host Party(ies):

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India

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

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Mallegoundenpalayam Village, Palladam Taluk, Tirupur District, Tamil Nadu

A.4.1.3. City/Town/Community etc:

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Location Site 1: (3 * 0.6 MW)

Village : Mallegoundenpalayam