6	V52	3916	Kuruchikulam	Tirunelveli	Tirunelveli	29-Sep-11
7	SF 141	3917	Kuruchikulam	Tirunelveli	Tirunelveli	29-Sep-11
8	168	3918	Vagaikulam	Tirunelveli	Tirunelveli	29-Sep-11
9	117	3949	Ukkirankottai	Tirunelveli	Tirunelveli	30-Sep-11
10	173	3986	Vagaikulam	Tirunelveli	Tirunelveli	10-Jan-12
11	170	3955	Vagaikulam	Tirunelveli	Tirunelveli	7-Oct-11
12	135	3948	Ukkirankottai	Tirunelveli	Tirunelveli	30-Sep-11
13	136	3959	Kanarpatti	Tirunelveli	Tirunelveli	21-Oct-11
14	V76	3954	Kuruchikulam	Tirunelveli	Tirunelveli	7-Oct-11
15	126	3981	Kattarankulam	Tirunelveli	Tirunelveli	28-Dec-11
16	120	3920	Melelanthaikulam	Sankarankoil	Tirunelveli	29-Sep-11
17	V213	3921	Kanarpatti	Tirunelveli	Tirunelveli	29-Sep-11
18	V202	3999	Kanarpatti	Tirunelveli	Tirunelveli	31-Jan-12

Contribution to sustainable development

Ministry of Environment and Forests [5], Government of India has stipulated the social well being, environmental well being, economic well being and technological well being as the four indicators for sustainable development in the host country approval eligibility criteria for Clean Development Mechanism (CDM) projects.

The project activity contributes to sustainable development in the following manner:

1. **Social well being:**

- The candidate CDM project has resulted in investment in rural sector thereby creating employment opportunities for the skilled, semi skilled and unskilled manpower available in and around project location.
- The project activity has led to the development of supporting infrastructure such as road network etc., in the wind park location, which also provides access to the local population.
- Use of a renewable source of energy reduces the dependence on imported fossil fuels and associated price variation thereby leading to increased energy security.

2. **Economic well being:**

- The project activity requires temporary and permanent, skilled and semi-skilled manpower at the wind farm; this will create additional employment opportunities in the region.
- The generated electricity will be fed into the Southern grid through local grid, thereby improving the grid frequency and availability of electricity to the local consumers (villagers & sub-urban habitants) which will provide new opportunities for industries and economic activities to be setup in the area thereby resulting in greater local employment, ultimately leading to overall development.

[5] Ministry of Environment and Forest, web site: http://envfor.nic.in/division/clean-development-mechanism-interim-approval-criteria

3. Technological well being:

- Increased interest in wind energy projects will further push R&D efforts by technology providers to develop more efficient and better machinery in future.

4. Environmental well being:

- The project activity involves use of renewable energy source for electricity generation instead of fossil fuel based electricity generation which would have emitted gaseous, liquid and/or solid effluents/wastes.
- Being a renewable resource, using wind energy to generate electricity contributes to resource conservation. Thus the project causes no negative impact on the surrounding environment contributing to environmental well-being.

All the above - discussed points are the contributions of the project activity for the sustainable development.

A.2. Location of project activity

A.2.1. Host Party

>>
India

A.2.2. Region/State/Province etc.

>>
Southern Region/ Tamil Nadu State

A.2.3. City/Town/Community etc.

>>

The project is located across villages in Kanarpatti, Ettankulam, Kalakudi, Kuruchikulam, Ukkirankottai, Vagaikulam, Kattarankulam and Melelanthaikulam of Tirunelveli& Sankarankoil Taluk, in Tirunelveli District of Tamil Nadu state in India.

Tirunelveli railway station is about 25 kms away from the site. Nearest airport is at Tuticorin about 70 kms from the site.

A.2.4. Physical/Geographical location

>>
The project consists of 18 numbers of E-53 WECs of 800 kW each. The latitude and longitude of the project activity are given below:

Vagaikulam Site, Tirunelveli District, Tamil Nadu												
Sl. No	Loc. No.					Latitude (N)			Longitude (E)			Commissioning
		HTSC No	Village	Taluka	District	Deg.	Minutes	Seconds	Deg.	Minutes	Seconds	Date
1	V200	3957	Kanarpatti	Tirunelveli	Tirunelveli	8	52	57.09	77	38	51.01	20-Oct-11
2	118	3919	Kattarankulam	Tirunelveli	Tirunelveli	8	55	21	77	40	24.28	29-Sep-11
3	V177	3947	Ettankulam	Tirunelveli	Tirunelveli	8	52	59.92	77	38	12.89	30-Sep-11
4	V98	3914	Kalakudi	Tirunelveli	Tirunelveli	8	53	17.24	77	36	21.54	29-Sep-11
5	V50	3915	Kuruchikulam	Tirunelveli	Tirunelveli	8	52	49.24	77	35	10.4	29-Sep-11