



Monitoring report form (Version 03.1)

Monitoring report

Title of the project activity	Wind Energy Project in Gujarat
Reference number of the project activity	6484
Version number of the monitoring report	01
Completion date of the monitoring report	27/04/2013
Registration date of the project activity	10/09/2012
Monitoring period number and duration of this monitoring period	01 (01/10/2012 – 31/03/2013; including first and last days of monitoring period.)
Project participant(s)	Vish Wind Infrastructure LLP
Host Party(ies)	India
Sectoral scope(s) and applied methodology(ies)	Sectoral Scope: 1, ACM0002, version 13.0.0
Estimated amount of GHG emission reductions or net anthropogenic GHG removals by sinks for this monitoring period in the registered PDD	50,478
Actual GHG emission reductions or net anthropogenic GHG removals by sinks achieved in this monitoring period	34,897
Actual GHG emission reductions or net anthropogenic GHG removals by sinks achieved during the period up to 31 December 2012	15,015
Actual GHG emission reductions or net anthropogenic GHG removals by sinks achieved during the period from 1 January 2013 onwards	19,882

SECTION A. Description of project activity**A.1. Purpose and general description of project activity**

>>

The purpose of the project activity is to utilize renewable wind energy for generation of electricity. Project activity is the installation of green field energy production using wind as a source of power generation. In the absence of the project activity the equivalent amount of electricity would have been generated from the connected/ new power plants in the NEWNE, which are/ will be predominantly based on fossil fuels. Whereas the operation of Wind Energy Convertors (WEG's) is emission free and no emissions occur during the lifetime of the project activity.

The project consists of 63 machines of Enercon make E-53 type WEGs of 800KW capacity each totaling to the capacity of 50.4 MW. The WEGs generates 3-phase power at 400V, which is stepped up to 33 kV and further transmitted to Enercon Sub-station. From Enercon substation electricity is further evacuated to the Gujarat regional electricity grid which is part of the NEWNE (Northern, Eastern, Western and North-Eastern) grid in India. The clean and green electricity supplied by the project will aide in sustainable growth in the region. Enercon (India) Limited (hereafter referred as "Enercon") is the project owner and project participant for the project activity.

The first machine under the project activity was commissioned on 02nd October 2011 and last machine under the project activity was commissioned on 31st March 2012. The expected operational lifetime of the project is for 20 years.

The total emission reductions achieved under current monitoring period (01/10/2012 – 31/03/2013) is 34,897 tCO₂e.

A.2. Location of project activity

>>

The project activity is located at Kutch and Lalpur site in Kutch & Jamnagar district respectively, in the state of Gujarat, India. The nearest railway station and airport for Kutch site is Rajkot and the nearest railway station and airport for Lalpur site is Jamnagar.

Individual WEG location numbers and coordinates are detailed out in below table:-

1) Lat-Log details for Kutch Site (District Kutch, State- Gujarat):-

Sr. No.	WEG ID NO	Village	Taluka	Latitude (N)	Longitude (E)
1	EIL/800/11-12/2469	Khombhadi Nani	Nakhatrana	23.41978	69.13057
2	EIL/800/11-12/2470	Khombhadi Nani	Nakhatrana	23.41771	69.13119
3	EIL/800/11-12/2471	Khombhadi Nani	Nakhatrana	23.41545	69.13154
4	EIL/800/11-12/2472	Khombhadi Nani	Nakhatrana	23.41463	69.13608
5	EIL/800/11-12/2475	Khombhadi Nani	Nakhatrana	23.42289	69.13727
6	EIL/800/11-12/2476	Khombhadi Nani	Nakhatrana	23.43353	69.13148
7	EIL/800/11-12/2473	Khombhadi Nani	Nakhatrana	23.43568	69.13101
8	EIL/800/11-12/2474	Khombhadi Nani	Nakhatrana	23.43891	69.13204
9	EIL/800/11-12/2477	Khombhadi Nani	Nakhatrana	23.44566	69.11901
10	EIL/800/11-12/2478	Khombhadi Nani	Nakhatrana	23.44863	69.11686
11	EIL/800/11-12/2479	Khombhadi Nani	Nakhatrana	23.45061	69.11676
12	EIL/800/11-12/2483	Vigodi	Nakhatrana	23.47575	69.10385
13	EIL/800/11-12/2587	Rampar Sarva	Nakhatrana	23.46789	69.08344
14	EIL/800/11-12/2494	Rampar Sarva	Nakhatrana	23.46995	69.08482
15	EIL/800/11-12/2484	Vigodi	Nakhatrana	23.47102	69.08219
16	EIL/800/11-12/2485	Vigodi	Nakhatrana	23.47334	69.08353
17	EIL/800/11-12/2486	Vigodi	Nakhatrana	23.47239	69.08706

18	EIL/800/11-12/2487	Vigodi	Nakhatrana	23.47539	69.08330
19	EIL/800/11-12/2488	Vigodi	Nakhatrana	23.47627	69.08049
20	EIL/800/11-12/2489	Vigodi	Nakhatrana	23.47745	69.08687
21	EIL/800/11-12/2490	Vigodi	Nakhatrana	23.47913	69.08449
22	EIL/800/11-12/2491	Vigodi	Nakhatrana	23.48041	69.07762
23	EIL/800/11-12/2492	Vigodi	Nakhatrana	23.48258	69.06526
24	EIL/800/11-12/2493	Vigodi	Nakhatrana	23.48057	69.06784
25	EIL/800/11-12/2590	Khirsara (Netra)	Nakhatrana	23.47881	69.06922
26	EIL/800/11-12/2591	Khirsara (Netra)	Nakhatrana	23.47680	69.07072
27	EIL/800/11-12/2589	Rampar Sarva	Nakhatrana	23.44230	69.07665
28	EIL/800/11-12/2495	Rampar Sarva	Nakhatrana	23.44020	69.07735
29	EIL/800/11-12/2496	Rampar Sarva	Nakhatrana	23.43439	69.08006
30	EIL/800/11-12/2497	Bandiya	Abdasa	23.41617	69.02001
31	EIL/800/11-12/2480	Khombhadi Nani	Nakhatrana	23.43155	69.13112
32	EIL/800/11-12/2481	Khombhadi Nani	Nakhatrana	23.42959	69.13235
33	EIL/800/11-12/2482	Khombhadi Nani	Nakhatrana	23.44340	69.11945

2) Lat-Log details for Lalpur Site (District Jamnagar, State- Gujarat):-

Sr. No.	WEG ID NO	Village	Taluka	Latitude (N)	Longitude (E)
1	EIL/800/11-12/2161	Navi Pipar	Lalpur	22.15478	69.92386
2	EIL/800/11-12/2162	Navi Pipar	Lalpur	22.13751	69.91985
3	EIL/800/11-12/2163	Navi Pipar	Lalpur	22.13990	69.92042
4	EIL/800/11-12/2164	Navi Pipar	Lalpur	22.15693	69.90534
5	EIL/800/11-12/2165	Navi Pipar	Lalpur	22.15503	69.90582
6	EIL/800/11-12/2166	Govana	Lalpur	22.13969	69.89579
7	EIL/800/11-12/2167	Govana	Lalpur	22.14332	69.89474
8	EIL/800/11-12/2168	Govana	Lalpur	22.14399	69.89261
9	EIL/800/11-12/2169	Govana	Lalpur	22.14398	69.88783
10	EIL/800/11-12/2170	Govana	Lalpur	22.13915	69.87166
11	EIL/800/11-12/2171	Govana	Lalpur	22.15328	69.87057
12	EIL/800/11-12/2172	Govana	Lalpur	22.15533	69.87030
13	EIL/800/11-12/2173	Govana	Lalpur	22.15732	69.86990
14	EIL/800/11-12/2174	Govana	Lalpur	22.15861	69.86971
15	EIL/800/11-12/2175	Govana	Lalpur	22.16658	69.86708
16	EIL/800/11-12/2176	Govana	Lalpur	22.16880	69.86664
17	EIL/800/11-12/2177	Nani Rafudad	Lalpur	22.18928	69.84754
18	EIL/800/11-12/2178	Nani Rafudad	Lalpur	22.19097	69.84445
19	EIL/800/11-12/2179	Kan Virdi	Lalpur	22.19205	69.84194
20	EIL/800/11-12/2180	Kan Virdi	Lalpur	22.19757	69.84555
21	EIL/800/11-12/2181	Babarzar	Lalpur	22.17319	69.82554
22	EIL/800/11-12/2186	Sanosari	Lalpur	22.06414	69.88709
23	EIL/800/11-12/2187	Sanosari	Lalpur	22.06724	69.89168
24	EIL/800/11-12/2188	Sanosari	Lalpur	22.07579	69.89075
25	EIL/800/11-12/2182	Dharampur	Lalpur	22.12138	69.89119

26	EIL/800/11-12/2183	Dharampur	Lalpur	22.12647	69.89537
27	EIL/800/11-12/2185	Bhangor	Bhanvad	22.12911	69.89381
28	EIL/800/11-12/2184	Dharampur	Lalpur	22.13197	69.90297
29	EIL/800/11-12/2189	Sanosari	Lalpur	22.09688	69.90079
30	EIL/800/11-12/2190	Sanosari	Lalpur	22.09475	69.90079

A.3. Parties and project participant(s)

Party involved ((host) indicates a host Party)	Private and/or public entity(ies) project participants (as applicable)	Indicate if the Party involved wishes to be considered as project participant (Yes/No)
India (host)	Vish Wind Infrastructure LLP (Private entity)	No

A.4. Reference of applied methodology

>>

Title: Consolidated baseline and monitoring methodology for “Grid-connected electricity generation from renewable sources”

Reference: Approved consolidated baseline methodology ACM0002 (Version 13.0.0, EB 67)

UNFCCC web reference of methodology:

<http://cdm.unfccc.int/methodologies/PAmethodologies/approved.html>

ACM0002 draws upon the following tools which have been used in the PDD:

- Tool to calculate the emission factor for an electricity system – Version 2.2.1
http://cdm.unfccc.int/methodologies/PAmethodologies/tools/am-tool-07-v3.0.0.pdf/history_view
- Tool for the demonstration and assessment of additionality – Version 06.0.0
http://cdm.unfccc.int/methodologies/PAmethodologies/tools/am-tool-01-v7.0.0.pdf/history_view

A.5. Crediting period of project activity

>>

Type of crediting period : Fixed
Start date of crediting period : 01/10/2012
Length of crediting period : 10 years

SECTION B. Implementation of project activity**B.1. Description of implemented registered project activity**

>>

The project activity consists of 63 machines (800 kW) of Enercon make E-53. The first machine under the project activity was commissioned on 02 Oct 2011 and last machine under the project activity was commissioned on 31 Mar 2012. The commissioning dates for all the machines included in the project activity are given in the table below:-

Commissioning details for Kutch Site (District Kutch, State- Gujarat):-

S.No.	WTG ID No.	Village	Taluka	Date of Commissioning
1	EIL/800/11-12/2469	Khombhadi Nani	Nakhatrana	31-Mar-12

2	EIL/800/11-12/2470	Khombhadi Nani	Nakhatrana	31-Mar-12
3	EIL/800/11-12/2471	Khombhadi Nani	Nakhatrana	31-Mar-12
4	EIL/800/11-12/2472	Khombhadi Nani	Nakhatrana	31-Mar-12
5	EIL/800/11-12/2475	Khombhadi Nani	Nakhatrana	31-Mar-12
6	EIL/800/11-12/2476	Khombhadi Nani	Nakhatrana	31-Mar-12
7	EIL/800/11-12/2473	Khombhadi Nani	Nakhatrana	31-Mar-12
8	EIL/800/11-12/2474	Khombhadi Nani	Nakhatrana	31-Mar-12
9	EIL/800/11-12/2477	Khombhadi Nani	Nakhatrana	31-Mar-12
10	EIL/800/11-12/2478	Khombhadi Nani	Nakhatrana	31-Mar-12
11	EIL/800/11-12/2479	Khombhadi Nani	Nakhatrana	31-Mar-12
12	EIL/800/11-12/2483	Vigodi	Nakhatrana	31-Mar-12
13	EIL/800/11-12/2587	Rampar Sarva	Nakhatrana	31-Mar-12
14	EIL/800/11-12/2494	Rampar Sarva	Nakhatrana	31-Mar-12
15	EIL/800/11-12/2484	Vigodi	Nakhatrana	31-Mar-12
16	EIL/800/11-12/2485	Vigodi	Nakhatrana	31-Mar-12
17	EIL/800/11-12/2486	Vigodi	Nakhatrana	31-Mar-12
18	EIL/800/11-12/2487	Vigodi	Nakhatrana	31-Mar-12
19	EIL/800/11-12/2488	Vigodi	Nakhatrana	31-Mar-12
20	EIL/800/11-12/2489	Vigodi	Nakhatrana	31-Mar-12
21	EIL/800/11-12/2490	Vigodi	Nakhatrana	31-Mar-12
22	EIL/800/11-12/2491	Vigodi	Nakhatrana	31-Mar-12
23	EIL/800/11-12/2492	Vigodi	Nakhatrana	31-Mar-12
24	EIL/800/11-12/2493	Vigodi	Nakhatrana	31-Mar-12
25	EIL/800/11-12/2590	Khirsara (Netra)	Nakhatrana	31-Mar-12
26	EIL/800/11-12/2591	Khirsara (Netra)	Nakhatrana	31-Mar-12
27	EIL/800/11-12/2589	Rampar Sarva	Nakhatrana	31-Mar-12
28	EIL/800/11-12/2495	Rampar Sarva	Nakhatrana	31-Mar-12
29	EIL/800/11-12/2496	Rampar Sarva	Nakhatrana	31-Mar-12
30	EIL/800/11-12/2497	Bandiya	Abdasa	31-Mar-12
31	EIL/800/11-12/2480	Khombhadi Nani	Nakhatrana	31-Mar-12
32	EIL/800/11-12/2481	Khombhadi Nani	Nakhatrana	31-Mar-12
33	EIL/800/11-12/2482	Khombhadi Nani	Nakhatrana	31-Mar-12

Commissioning details for Lalpur Site (District Jamnagar, State- Gujarat):-

S.No.	WTG ID No.	Village	Taluka	Date of Commissioning
1	EIL/800/11-12/2161	Navi Pipar	Lalpur	2-Oct-11
2	EIL/800/11-12/2162	Navi Pipar	Lalpur	2-Oct-11
3	EIL/800/11-12/2163	Navi Pipar	Lalpur	2-Oct-11
4	EIL/800/11-12/2164	Navi Pipar	Lalpur	2-Oct-11
5	EIL/800/11-12/2165	Navi Pipar	Lalpur	2-Oct-11
6	EIL/800/11-12/2166	Govana	Lalpur	2-Oct-11
7	EIL/800/11-12/2167	Govana	Lalpur	2-Oct-11
8	EIL/800/11-12/2168	Govana	Lalpur	2-Oct-11
9	EIL/800/11-12/2169	Govana	Lalpur	2-Oct-11
10	EIL/800/11-12/2170	Govana	Lalpur	2-Oct-11
11	EIL/800/11-12/2171	Govana	Lalpur	2-Oct-11
12	EIL/800/11-12/2172	Govana	Lalpur	2-Oct-11
13	EIL/800/11-12/2173	Govana	Lalpur	2-Oct-11
14	EIL/800/11-12/2174	Govana	Lalpur	2-Oct-11

15	EIL/800/11-12/2175	Govana	Lalpur	2-Oct-11
16	EIL/800/11-12/2176	Govana	Lalpur	3-Oct-11
17	EIL/800/11-12/2177	Nani Rafudad	Lalpur	3-Oct-11
18	EIL/800/11-12/2178	Nani Rafudad	Lalpur	3-Oct-11
19	EIL/800/11-12/2179	Kan Virdi	Lalpur	3-Oct-11
20	EIL/800/11-12/2180	Kan Virdi	Lalpur	3-Oct-11
21	EIL/800/11-12/2181	Babarzar	Lalpur	3-Oct-11
22	EIL/800/11-12/2186	Sanosari	Lalpur	2-Oct-11
23	EIL/800/11-12/2187	Sanosari	Lalpur	2-Oct-11
24	EIL/800/11-12/2188	Sanosari	Lalpur	2-Oct-11
25	EIL/800/11-12/2182	Dharampur	Lalpur	3-Oct-11
26	EIL/800/11-12/2183	Dharampur	Lalpur	3-Oct-11
27	EIL/800/11-12/2185	Bhangor	Bhanvad	3-Oct-11
28	EIL/800/11-12/2184	Dharampur	Lalpur	3-Oct-11
29	EIL/800/11-12/2189	Sanosari	Lalpur	2-Oct-11
30	EIL/800/11-12/2190	Sanosari	Lalpur	2-Oct-11

Enercon operation and maintenance activities are ISO 9001:2008 certified. Referring to the data available, it can be inferred that there have not been any major special events for any of the machines that are included in the project activity. As a part of regular maintenance the machines are stopped for mechanical and electrical maintenance for 16 to 18 hours annually and for visual inspection for 6 to 7 hours quarterly. Further the consolidated performance report of project WEGs during the monitoring period including the down time, machine availability, grid availability, etc. has been added in Annex 3. During the monitoring period there were no events or situations occurred, which may impact the applicability of the methodology.

The project activity consists of 63 WEGs of Enercon make E-53 and each machine capacity is of 800 kW (E-53) totaling to the capacity of 50.4 MW. The WEGs generates 3-phase power at 400V, which is stepped up to 33 kV and connected to 33kV metering points. From 33 kV metering point's electricity transmitted to Enercon Sub-station. At sub-station electricity is step-up to 132 kV. From Enercon substation electricity is further evacuated to the state electricity grid at 132kV. The Project can operate in the frequency range of 47.5–51.5 Hz and in the voltage range of 400 V \pm 12.5%. The other salient features of the state-of-art-technology are:-

- Gearless Construction - Rotor & Generator Mounted on same shaft eliminating the Gearbox.
- Variable speed function – has the speed range of 18 to 33 RPM thereby ensuring optimum efficiency at all times.
- Variable Pitch functions ensuring maximum energy capture.
- Near Unity Power Factor at all times.
- Minimum drawl (less than 1% of kWh generated) of Reactive Power from the grid.
- No voltage peaks at any time.
- Operating range of the WEG with voltage fluctuation of -20 to +20%.
- Less Wear & Tear since the system eliminates mechanical brake, which are not needed due to low speed generator which runs at maximum speed of 33 rpm and uses Air Brakes.
- Three Independent Braking System.
- Generator achieving rated output at only 33 rpm.
- Incorporates lightning protection system, which includes blades.
- Starts generation of power at wind speed of 3 m/s

Enercon (India) Ltd has secured and facilitated the technology transfer for wind based renewable energy generation from Enercon GmbH, has established a manufacturing plant at Daman in India, where along with other components the "Synchronous Generators" using "Vacuum Impregnation" technology are manufactured. Diagram of main component of Enercon make E-53 is shown in below picture:-

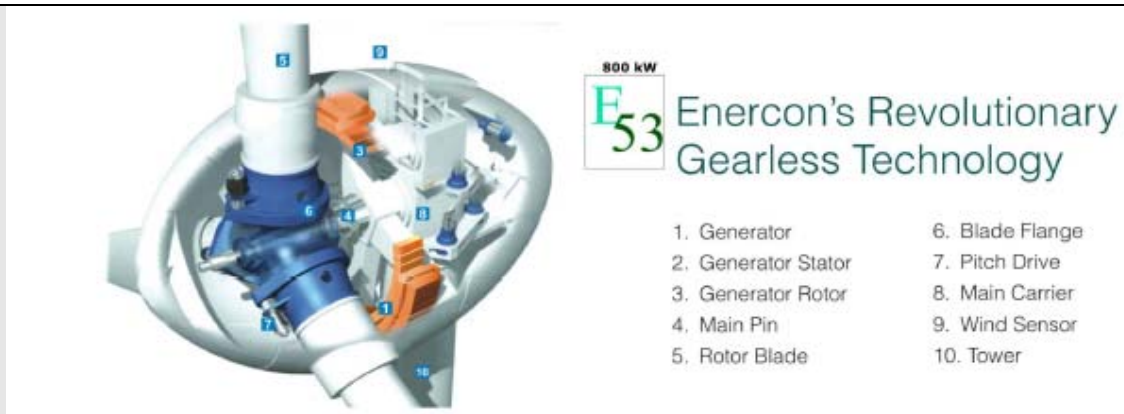


Figure: Enercon make E-53 Diagram.

B.2. Post registration changes

B.2.1. Temporary deviations from registered monitoring plan or applied methodology

>>

Not applicable

B.2.2. Corrections

>>

Not applicable

B.2.3. Permanent changes from registered monitoring plan or applied methodology

>>

Not applicable

B.2.4. Changes to project design of registered project activity

>>

Not applicable

B.2.5. Changes to start date of crediting period

>>

Not applicable

B.2.6. Types of changes specific to afforestation or reforestation project activity

>>

Not applicable

SECTION C. Description of monitoring system

>>

Enercon (India) Limited is O&M contractor for the project activity and will be responsible for the maintaining all the monitoring data on behalf of Enercon in respect of the project activity. Enercon (India) Limited has implemented the management structure for managing the monitored data.

This approved monitoring methodology requires monitoring of the following:

- Net electricity supplied from the project activity; and
- Operating margin emission factor and build margin emission factor of the grid.

Since, the ex-ante approach has been followed for the project activity, monitoring of the emission factor value is not required. The sole parameter to be monitored is the amount of net electricity supplied by the project activity to the grid.

Measurement procedures of the net electricity supplied to the grid by the project activity:

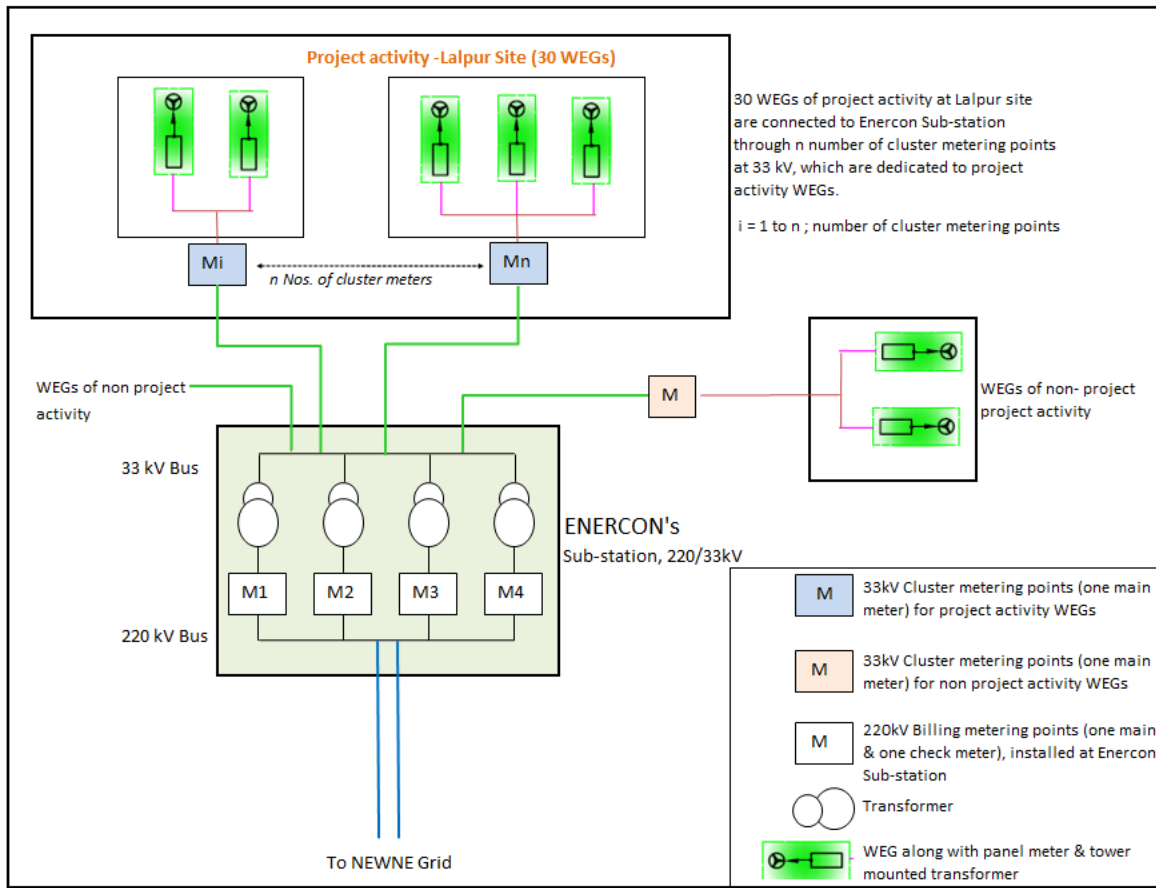
The project activity will have various clusters and each cluster has exclusively dedicated metering arrangement at project site. These cluster meters will be sealed by GEDA (Gujarat Energy Development Agency) and will also be calibrated once in a year. The Joint meter reading at cluster metering point is taken by the representatives GEDA/GETCO in the presence of Enercon officials in the form of JMR.

All these cluster meters are connected to the GETCO (Gujarat Energy Transmission Corporation Limited) Main meter (also known as revenue meter/ billing meter) at the substation, maintained by Enercon. The joint meter reading at main (GETCO) meter is taken by the representatives GEDA/GETCO in the presence of Enercon officials in the form of JMR. Cluster meters & GETCO Main meter will be calibrated once in a year.

All the JMR are available exclusively with the with GEDA/GETCO officials and PP doesn't have a copy of same and based on the JMR readings at cluster meter & GETCO meter, GETCO issues the share certificates to PP.

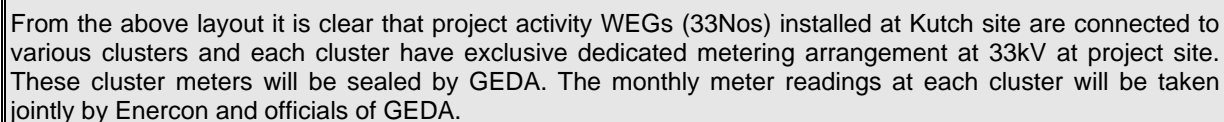
The 63 WEGs of project activity will be located at two different sites. 30 WEGs of project activity will be installed at Lalpur site, district Jamnagar while 33 WEGs of the project activity will be installed at Kutch site, district Kutch of Gujarat state. Metering arrangement of project activity at both the site (Lalpur & Kutch) is shown below:-

1) **Layout of Metering arrangement for project activity installed at Lalpur site is as follows:-**



From the above layout it is clear that project activity WEGs (30Nos) installed at Lalpur site are connected to various clusters and each cluster have exclusive dedicated metering arrangement at 33kV at project site. These cluster meters will be sealed by GEDA. The monthly meter readings at each cluster will be taken jointly by Enercon and officials of GEDA.

All these cluster meters for the project activity and non-project activity (non-project activity WEGs also have dedicated clusters) are connected at 220kV Enercon sub-station through 33kV bus. At Enercon sub-station electricity is stepped up to 220kV and connected to 220kV GETCO Main meter (also known as revenue meter/ billing meter) at Enercon substation. The main meter reading (GETCO meter) is taken by the representatives GEDA/GETCO in the presence of Enercon officials in the form of JMR. GETCO Main meter will be calibrated once in a year.



All these cluster meters for the project activity and non-project activity (non-project activity WEGs also have dedicated clusters) are connected at 66 kV Enercon sub-station through 33kV bus. At Enercon sub-station electricity is stepped up to 66 kV and connected to 66 kV GETCO Main meter (also known as revenue meter/ billing meter) at Enercon substation. The main meter reading (GETCO meter) is taken by the representatives GEDA/GETCO in the presence of Enercon officials in the form of JMR. GETCO Main meter will be calibrated once in a year.

GEDA then apportions the net electricity supplied to the grid at the individual Enercon substations by all the project owners after adjusting transmission loss to the meter readings taken at dedicated cluster meters of different project owners. The electricity from Enercon substation is finally supplied to the utility's substation.

The net electricity generated by the project owner will be taken directly from the share certificate as provided by GETCO (after apportionment) to the project proponent and will be used for calculation of emission reduction.

The apportionment for the project activity will be done as follows:

EG_{GETCO, Export} = Electricity exported, as recorded by the GETCO main meter at Enercon substation

EG_{GETCO, Import} = Electricity imported, as recorded by the GETCO main meter at Enercon substation

EG_{Cluster Export} = Electricity exported by the project activity, as measured at Cluster Meter

$EG_{\text{Cluster, Import}}$ = Electricity imported by the project activity, as measured at Cluster Meter

$EG_{\text{Cluster, WF, Export}}$ = Electricity exported by all the project owners connected to Enercon substation, as measured at Cluster Meter

$EG_{\text{Cluster, WF, Import}}$ = Electricity imported by all the project owners connected to Enercon substation, as measured at Cluster Meter

$EG_{\text{facility, Export, y}}$ = Electricity exported by the project activity to the grid, calculated

$EG_{\text{facility, Import, y}}$ = Electricity imported from the project activity to the grid, calculated

$EG_{\text{facility, y}}$ = Quantity of net electricity generation supplied by the project activity to the grid., calculated

Electricity Exported to the Grid by the project activity

$$EG_{\text{facility, Export, y}} = EG_{\text{GETCO, Export}} \times EG_{\text{Cluster, Export}} / EG_{\text{Cluster, WF, Export}}$$

Electricity Imported from the Grid by the project activity

$$EG_{\text{facility, Import, y}} = EG_{\text{GETCO, Import}} \times EG_{\text{Cluster, Import}} / EG_{\text{Cluster, WF, Import}}$$

Net Electricity Exported to the grid by the project activity

$$EG_{\text{facility, y}} = EG_{\text{facility, Export, y}} - EG_{\text{facility, Import, y}}$$

The apportionment procedure for the project activity is done by GEDA (Gujarat Energy Development Agency) based on the meter readings of the various cluster meters of various project owners connected to Enercon substation and GETCO main meter reading recorded at Enercon substation, connecting all the machines of the project activity and other project developers. The meter readings at cluster meters and at Enercon substation are directly monitored and hence, the apportioning of the electricity is done based on the meter reading that are directly measured.

The apportioning procedure is performed by GEDA personnel based on the meter reading taken at cluster meter at project site & GETCO meter installed at Enercon sub-station.

In addition to above there is a possibility for the PP to record the values of $EG_{\text{Cluster, Export}}$ & $EG_{\text{Cluster, Import}}$. However, it would be impossible for the PP to collect information of $EG_{\text{Cluster, WF, Export}}$ & $EG_{\text{Cluster, WF, Import}}$. Thus even if $EG_{\text{Cluster, Export}}$ and $EG_{\text{Cluster, Import}}$ is monitored it has no value if the values $EG_{\text{Cluster, WF, Export}}$ and $EG_{\text{Cluster, WF, Import}}$ are not monitored. Hence only quantity of net electricity generation supplied by the project activity to the grid ($EG_{\text{facility, y}}$) by the project activity could be monitored by the PP and this value will be sourced from 'Certificate for Share of Electricity Generated by Wind farm' prepared & issued by SLDC/GETCO.

QA/ QC procedures:

If during meter testing, the main meter (GETCO meter) at the Enercon substation is found beyond the permissible limit of error, the meter reading will be taken from the check meter. In case both the main & check meters are found beyond the permissible limit of error then meter reading will be taken from the main meter located at the utility substation after addition of average historical transmission losses.

If during meter testing, the cluster meters are found beyond the permissible limit of error, the sum of panel meter (LCS meter) readings located at each wind turbine of the project activity will be provided to GEDA for purpose of apportioning of the net electricity supplied to the grid. Enercon will provide the LCS data (sourced from online SCADA system) to GETCO for the period during which cluster meters are found beyond the permissible limit of error. During the current monitoring period none of meter was found faulty or beyond the permissible limit of error.

The LCS meters do not require calibration as the energy readings of electricity generated at the LCS meter is cross verified by the energy calculated by inverting system installed in the WEGs. In case, there is any mismatch in the energy values recorded by the LCS meter and the energy values calculated by the inverting

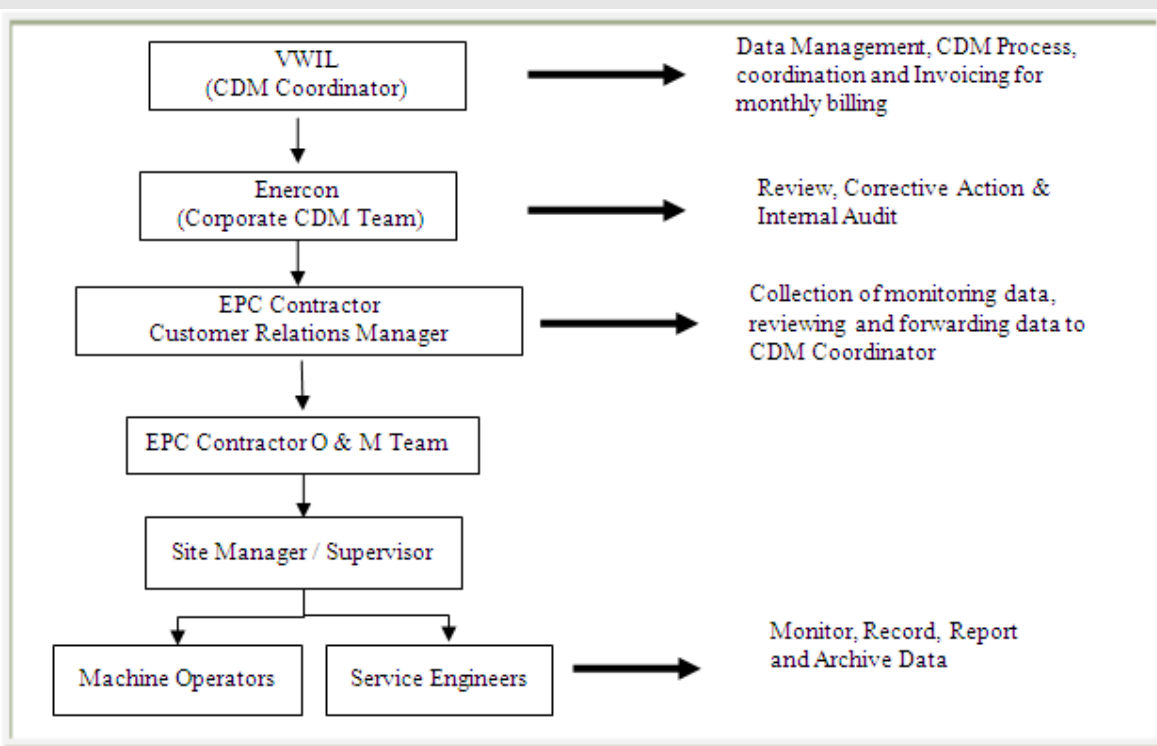
system, the machine will stop working and generate the error report.

Procedure to deal with data uncertainty:

During the calibration, if the meter is found to be outside the permissible limits of the error and if that meter readings have been used in JMR, the (–ve) error value would be applied to net electricity supplied value will be applied to all the JMR values since the date of last calibration. The meter would be replaced immediately with new calibrated meter. During the current monitoring period none of meter was found faulty or beyond the permissible limit of error and no error factor was applied on JMR values.

Monitoring roles and responsibilities

The following management structure has been formed for implementation of the monitoring plan and management of the monitored data (Please note than the information flow is from the O&M team to the Managing Director:



Meter Test Checking Details:

The metering equipment were inspected & tested by State Utility. Meter details & calibration details for the all the main and check meters are as follows:-

Sr No	Meter Serial No	2012	Site	Connection Point
1	GJU63158	02-Jul-12	Kutch	Line 1
2	GJU63159	02-Jul-12	Kutch	Line 2
3	GJU62417	28-Aug-12	Lalpur	Line 1
4	GJU62418	06-Jul-12	Lalpur	Line 2

The main and check meters are tested for accuracy on annual basis by state utility and in case of error;

meters are calibrated by state utility. Further during the annual meter testing, all the meters were under the permissible limit of error and accordingly none of the meter was replaced during the current monitoring period.

SECTION D. Data and parameters

D.1. Data and parameters fixed ex ante or at renewal of crediting period

Data / Parameter:	$EF_{CM,y}$
Unit:	tCO ₂ e/MWh
Description:	Combined margin emission factor of NEWNE grid
Source of data:	Combined Margin emission factor of the NEWNE Grid has been calculated based on "Baseline Carbon Dioxide Emission Database", Version 6.0, 1 st March, 2011 by Central Electricity Authority (CEA); (Source: http://www.cea.nic.in/reports/planning/cdm_co2/cdm_co2.htm)
Value(s) applied:	0.94881
Purpose of data:	Calculation of Baseline Emissions
Additional comment:	This value is calculated on ex-ante basis and will remain fixed for the entire crediting period.

Data / Parameter:	$EF_{OM,y}$
Unit:	tCO ₂ e/MWh
Description:	Operating Margin Emission Factor of NEWNE Grid
Source of data:	Values of Operating Margin emission factor of the NEWNE Grid has been taken from "Baseline Carbon Dioxide Emission Database" Version 6.0, 1 st March, 2011, by Central Electricity Authority (CEA); (Source: http://www.cea.nic.in/reports/planning/cdm_co2/cdm_co2.htm)
Value(s) applied:	0.99431
Purpose of data:	Calculation of Baseline Emissions
Additional comment:	This value is calculated on ex-ante basis and will remain fixed for the entire crediting period.

Data / Parameter:	$EF_{BM,y}$
Unit:	tCO ₂ e/MWh
Description:	Build Margin Emission Factor of NEWNE Grid
Source of data:	Value of Build Margin emission factor of the NEWNE Grid has been taken from "Baseline Carbon Dioxide Emission Database" Version 6.0, 1 st March, 2011, by Central Electricity Authority (CEA); (Source: http://www.cea.nic.in/reports/planning/cdm_co2/cdm_co2.htm)

Value(s) applied):	0.81231
Purpose of data:	Calculation of Baseline Emissions
Additional comment:	This value is calculated on ex-ante basis and will remain fixed for the entire crediting period.

Please refer Annex 1 for combined margin calculation

D.2. Data and parameters monitored

Data / Parameter:	$EG_{\text{facility},y}$
Unit:	MWh (Mega-watt hour)
Description:	Quantity of net electricity generation supplied by the project activity to the grid in year y.
Measured/ Calculated / Default:	Calculated
Source of data:	'Certificate for Share of Electricity Generated by Wind farm' prepared & issued by SLDC/GETCO (Gujarat Energy Transmission Corporation Limited) based on the meter reading recorded at cluster meters (at project site) & GETCO meter (at sub-station) installed at Enercon sub –station.
Value(s) of monitored parameter:	= 36,782.563 MWh
Monitoring equipment:	Since it is calculated value, hence not applicable.
Measuring/ Reading/ Recording frequency:	Frequency of recording data: Monthly Refer section 'C' (Description of monitoring system) for an illustration of the provisions for measurement methods. Please refer annex 2 for detailed description of recording of data.
Calculation method (if applicable):	The procedures for calculation of net electricity supplied to grid has been followed as per the provisions of the power purchase agreement and details of calculation method has been explained in monitoring plan under section C of monitoring report.
QA/QC procedures:	All the meters will be calibrated once in a year as per the metering code prevalent in the state of Gujarat. Calibration of all the meters will be undertaken and faulty meters will be duly replaced immediately. The Net Quantity of Electricity exported to the grid as per Share certificate issued by GETCO can be cross verified by the sale invoice.
Purpose of data:	Calculation of Baseline Emissions
Additional comment:	The data will be archived both in electronic and hard paper format for crediting period + 2 years.

D.3. Implementation of sampling plan

>>

Not applicable

SECTION E. Calculation of emission reductions or GHG removals by sinks**E.1. Calculation of baseline emissions or baseline net GHG removals by sinks**

>>

Ex-ante calculation of emission reductions is equal to ex-ante calculation of baseline emissions as project emissions and leakage are nil.

The Baseline emission for the project activity has been calculated as below:

$$BE_y = EG_{PJ, y} * EF_{grid, CM, y}$$

Where:

BE_y = Baseline emissions in year y (tCO₂/yr)
 $EG_{PJ, y}$ = Quantity of net electricity generation that is produced and fed into the grid as a result of the implementation of the CDM project activity in year y (MWh/yr)
 $EF_{grid, CM, y}$ = Combined margin CO₂ emission factor for grid connected power generation in year y calculated using the latest version of the "Tool to calculate the emission factor for an electricity system" (tCO₂/MWh)

Baseline emission factor (Combined Margin) ($EF_{grid, CM, y}$) = 0.94881 tCO₂e/MWh

Since, the project activity is the installation of a new grid - connected renewable power plant,

$$EG_{PJ, y} = EG_{facility, y}$$

$EG_{facility, y}$ = Quantity of net electricity generation supplied by the project plant/unit to the grid in year y (MWh/yr)

Therefore, annual Baseline Emissions (BE_y) = $EG_{PJ, y} * EF_{grid, CM, y}$
 = $EG_{facility, y} * EF_{grid, CM, y}$

Baseline Emission Reductions calculation for project activity:-

Duration	Quantity of net electricity generation supplied by the project activity to the grid in year y . [MWh]	Baseline Emission Factor (tCO ₂ e/MWh)	Baseline Emissions (tCO ₂ e)
	[$EG_{facility, y}$]	[EF_y]	[BE_y] = [$EG_{facility, y}$] * [EF_y]
01 Oct 12 to 31 Mar 13	36,782.563	0.94881	34,897

E.2. Calculation of project emissions or actual net GHG removals by sinks

>>

Since the project activity is a renewable energy project which generates electricity using wind power and hence does not result in project emissions.

E.3. Calculation of leakage

>>

No leakage is considered from the project activity as per approved methodology ACM0002.

E.4. Summary of calculation of emission reductions or net anthropogenic GHG removals by sinks

Item	Baseline emissions or baseline net GHG removals by sinks (t CO ₂ e)	Project emissions or actual net GHG removals by sinks (t CO ₂ e)	Leakage (t CO ₂ e)	Emission reductions or net anthropogenic GHG removals by sinks (t CO ₂ e)
Total	34,897	0	0	34,897

E.5. Comparison of actual emission reductions or net anthropogenic GHG removals by sinks with estimates in registered PDD

Item	Values estimated in ex-ante calculation of registered PDD	Actual values achieved during this monitoring period
Emission reductions or GHG removals by sinks (t CO₂e)	50,478 (182 days equivalent of annually (365 days) 101,234 emission reductions estimated in the registered PDD)	34,897

E.6. Remarks on difference from estimated value in registered PDD

>>

There is marginal change of 30.87% (downside) in the expected and annual emission reductions since the monitoring period include the low wind season leading to low plant load factor during the monitoring period.

E.7. Actual emission reductions or net anthropogenic GHG removals by sinks during the first commitment period and the period from 1 January 2013 onwards

Item	Actual values achieved up to 31 December 2012	Actual values achieved from 1 January 2013 onwards
Emission reductions or GHG removals by sinks (t CO₂e)	15,015	19,882

Document information

<i>Version</i>	<i>Date</i>	<i>Description</i>
03.1	2 January 2013	Editorial revision to correct table in section E.5.
03.0	3 December 2012	Revision required to introduce a provision on reporting actual emission reductions or net anthropogenic GHG removals by sinks for the period up to 31 December 2012 and the period from 1 January 2013 onwards (EB70, Annex 11).
02.0	13 March 2012	Revision required to ensure consistency with the "Guidelines for completing the monitoring report form" (EB 66, Annex 20).
01	28 May 2010	EB 54, Annex 34. Initial adoption.
Decision Class: Regulatory		
Document Type: Form		
Business Function: issuance		
Keywords: monitoring report, performance monitoring		

Annex 1**BASELINE INFORMATION**

The Operating Margin data for the most recent three years and the Build Margin data for the NEWNE Grid as published in the "Baseline Carbon dioxide Emission Database"¹, Version 6.0, 1st March, 2011, published by Central Electricity Authority (CEA), Government of India have been used for the estimation of the Baseline Emission. The Operating Margin data for the most recent three years and the Build Margin data for the NEWNE are as follows:

Simple Operating Margin		
	NEWNE Grid (tCO₂e/MWh)	Net Generation Total (MWh)
Simple Operating Margin – 2007-08	0.99990	496.119
Simple Operating Margin – 2008-09	1.00655	510.693
Simple Operating Margin – 2009-10	0.97774	544.915
Weighted Average Operating Margin *		0.99431

** Calculated as per Option A, i.e. generation weighted average CO₂ emissions per unit electricity generation has been used*

Build Margin	
	NEWNE Grid (tCO₂e/MWh)
Build Margin- 2009-10	0.81231

Combined Margin Calculations		
	Weights	NEWNE Grid (tCO₂e/MWh)
Weighted Average Operating Margin	0.75	0.99431
Build Margin	0.25	0.81231
Combined Margin		0.94881

¹http://www.cea.nic.in/reports/planning/cdm_co2/cdm_co2.htm

Annex 2**MONITORING INFORMATION**

Detailed metering information has been provided in the section C.

Meter Reading

- The net electricity supplied to the grid will be taken directly from the share certificate for net electricity generated provided by GETCO.
 - The meter reading is taken jointly at GETCO meters by representatives of Enercon and GEDA/GETCO located at Enercon substation. The GETCO meters are connected to the wind turbines of the project activity and the wind turbines of the other project owners. Therefore GETCO provides the share certificate that apportions the net electricity generated by the project owners.
 - The Cluster meters are provided exclusively to all the project owners having installed wind turbines at the wind farm

Testing

- Both Main meter & Check meter (GETCO meter, accuracy class 0.2) at both Enercon Substations (220kV & 66kV) will be tested and calibrated once in a year.
- All cluster meters (accuracy class 0.2) connected to the WEGs of project activity will be calibrated once in a year as per the provisions fixed with utility.

Data recording

- The meter recording at the GETCO main meter at Enercon substation and the cluster meters of the project activity will be continuously monitored and will be recorded on monthly basis.
- Both GETCO meter & cluster meters are electronic and two-way (bi-directional) meters that measure both export and import of electricity and provide net electricity exported to the grid.
- All the monitored data will be recorded and filed electronically and in hard format for 2 years beyond the crediting period i.e. 10+2 years.

Annex 3

WEG Performance Report

State	GUJARAT			Monthly Performance Report					Date:01/10/2012-31/03/2013		
WEC No.	Generation		Lack Of Wind	Down Time					Machine Availability (%)	Capacity Factor (%)	Grid Availability (%)
	KWh	Hrs		Machine		Grid		Total			
				Fault	Shutdown	Fault	Shutdown				
			VISH WIND INFRASTRUCTURE LLP								
VISHWLP-37 (353)	684673	4032:00:00	209:56:00	1:53	28:39:00	23:41	71:18:00	342:00:00	99.3	19.59	97.79
VISHWLP-38 (354)	713017	4031:00:00	200:39:00	10:44	29:06:00	23:41	71:43:00	342:00:00	99.09	20.4	97.78
VISHWLP-39 (355)	630126	3576:00:00	189:31:00	474:56:00	30:13:00	23:41	68:47:00	792:00:00	88.44	18.03	97.84
VISHWLP-40 (386)	721606	3983:00:00	202:20:00	85:29:00	35:19:00	23:41	52:02:00	390:00:00	97.23	20.65	98.23
VISHWLP-41 (387)	742677	3835:00:00	162:19:00	287:18:00	34:28:00	22:11	37:25:00	539:00:00	92.63	21.25	98.6
Total	3492099	19457:00	964:45:00	860:20:00	157:45:00	116:55:00	301:15:00	2405:00:00	95.34	19.99	98.05
			VISH WIND INFRASTRUCTURE LLP								
VISHWLP-12 (60)	503818	3971:00:00	238:38:00	76:14:00	25:21:00	35:50:00	2:26	415:00:00	97.67	14.42	99.1
VISHWLP-13 (66)	574135	4109:00:00	226:44:00	5:03	26:32:00	36:33:00	1:58	325:00:00	99.28	16.43	99.09
VISHWLP-14 (67)	505819	3872:00:00	226:37:00	237:28:00	24:20:00	36:33:00	0	549:00:00	94.01	14.48	99.13
VISHWLP-15 (72)	513064	4011:00:00	236:01:00	7:46	28:26:00	38:00:00	26:48:00	375:00:00	99.17	14.68	98.49
VISHWLP-16 (73)	561511	3867:00:00	225:48:00	169:44:00	21:40	36:30:00	26:48:00	519:00:00	95.62	16.07	98.52
Total	2658347	19830:00	1153:48:00	496:15:00	126:19:00	183:26:00	58:00:00	2183:00:00	97.15	15.21	98.87
			VISH WIND INFRASTRUCTURE LLP								
VISHWLP-28 (102)	660123	4108:00:00	156:37:00	4:01	36:54:00	49:25:00	27:05:00	264:00:00	99.06	18.89	98.14
VISHWLP-29 (104)	610922	4082:00:00	174:30:00	15:25	27:49:00	49:25:00	27:05:00	289:00:00	99.01	17.48	98.14
VISHWLP-30 (105)	899415	4137:00:00	122:39:00	0	40:44:00	49:25:00	27:05:00	235:00:00	99.07	25.74	98.14
VISHWLP-31 (108)	573318	4071:00:00	173:14:00	22:28	32:36:00	49:25:00	27:05:00	300:00:00	98.74	16.41	98.14
Total	2743778	16398:00	627:00:00	41:54:00	138:03:00	197:40:00	108:20:00	1088:00:00	98.97	19.63	98.14
			VISH WIND INFRASTRUCTURE LLP								

F-CDM-MR

VISHWKC-01 (43)	377951	3717:00:00	236:25:00	11:23	30:28:00	37:45:00	19:15	375:00:00	98.57	14.3	96.99
VISHWKC-02 (44)	439660	3769:00:00	222:19:00	0	29:12:00	37:45:00	19:15	347:00:00	99	16.37	96.99
VISHWKC-03 (45)	394693	3651:00:00	246:43:00	7:34	22:24	37:45:00	19:15	373:00:00	98.98	14.99	96.99
VISHWKC-04 (46)	418173	3716:00:00	226:44:00	35:28:00	27:32:00	37:45:00	19:15	385:00:00	97.85	15.6	96.99
VISHWKC-05 (51)	367476	3733:00:00	246:32:00	4:06	19:17	37:45:00	19:15	365:00:00	99.2	14	96.99
VISHWKC-06 (56)	348113	3692:00:00	255:44:00	18:34	20:22	37:45:00	19:15	391:00:00	98.67	13.37	96.99
VISHWKC-07 (57)	420371	3760:00:00	227:17:00	7:57	17:03	37:45:00	19:15	346:00:00	99.15	15.69	96.99
VISHWKC-08 (58)	449897	3781:00:00	225:17:00	0	12:00	37:45:00	19:15	335:00:00	99.59	16.63	96.99
VISHWKC-09 (61)	573925	3749:00:00	221:32:00	4:35	12:00	41:45:00	24:25:00	340:00:00	99.43	21.02	96.68
VISHWKC-10 (62)	386760	3696:00:00	248:07:00	0	12:00	41:45:00	24:25:00	361:00:00	99.59	14.73	96.68
VISHWKC-11 (63)	536357	3725:00:00	216:02:00	13:10	10:00	41:45:00	24:25:00	339:00:00	99.21	19.63	96.68
VISHWKC-12 (106)	279154	3512:00:00	266:07:00	17:00	12:00	41:45:00	24:25:00	399:00:00	99.01	11.29	96.68
VISHWKC-13 (111)	324052	3610:00:00	252:15:00	9:16	18:57	41:45:00	26:10:00	382:00:00	99.04	12.69	96.62
VISHWKC-14 (112)	336871	3633:00:00	226:20:00	95:12:00	12:40	41:45:00	26:10:00	445:00:00	96.32	12.87	96.62
VISHWKC-15 (113)	361304	3756:00:00	231:35:00	5:50	13:00	52:50:00	7:22	354:00:00	99.36	13.51	96.89
VISHWKC-16 (114)	365307	3567:00:00	218:24:00	130:40:00	10:46	52:50:00	7:22	465:00:00	95.17	13.79	96.89
VISHWKC-17 (115)	357431	3157:00:00	228:29:00	16:13	12:18	41:45:00	26:10:00	360:00:00	99.03	13.73	96.62
VISHWKC-18 (116)	316897	3680:00:00	264:09:00	9:00	13:26	52:50:00	7:22	391:00:00	99.23	12.16	96.89
VISHWKC-19 (117)	301957	3688:00:00	263:36:00	15:01	13:58	52:50:00	7:22	397:00:00	99.01	11.71	96.89
VISHWKC-20 (118)	301491	3695:00:00	266:45:00	8:50	14:35	52:50:00	7:22	393:00:00	99.2	11.7	96.89
VISHWKC-21 (119)	318314	3697:00:00	275:28:00	5:00	4:07	52:50:00	7:22	389:00:00	99.69	12.29	96.89
VISHWKC-22 (120)	301031	3607:00:00	323:52:00	9:09	13:34	52:50:00	7:22	450:00:00	99.23	11.62	96.91
VISHWKC-23 (123)	324360	3506:00:00	308:23:00	60:12:00	8:00	52:50:00	7:22	481:00:00	97.67	12.66	96.89
VISHWKC-24 (124)	317596	3612:00:00	298:49:00	0	11:51	52:50:00	7:22	407:00:00	99.6	12.45	96.89
VISHWKC-25 (125)	336775	3628:00:00	300:05:00	4:03	14:09	52:50:00	7:22	422:00:00	99.38	12.93	96.91
VISHWKC-26 (126)	327748	3596:00:00	278:10:00	56:20:00	15:05	47:50:00	7:22	449:00:00	97.58	12.53	97.08
VISHWKC-33 (133)	293266	3531:00:00	310:47:00	24:08:00	16:37	57:50:00	14:22	466:00:00	98.61	11.78	96.48
VISHWKC-36 (136)	384542	3711:00:00	250:35:00	6:39	15:35	49:50:00	7:10	365:00:00	99.24	14.69	96.99
VISHWKC-37 (137)	441067	3728:00:00	235:15:00	0:57	15:49	49:50:00	7:10	349:00:00	99.43	16.7	96.99
VISHWKC-38 (140)	603008	3740:00:00	211:49:00	27:46:00	14:54	49:50:00	7:10	349:00:00	98.54	20.48	96.99

F-CDM-MR

VISHWKC-39 (1003)	297509	3610:00:00	272:40:00	84:50:00	12:20	37:45:00	10:40	461:00:00	96.68	11.62	97.29
VISHWKC-40 (1004)	365308	3727:00:00	241:53:00	14:25	18:59	37:45:00	10:40	367:00:00	98.86	14.06	97.29
VISHWKC-41 (1006)	529223	3731:00:00	238:19:00	0	18:08	41:45:00	24:25:00	359:00:00	99.38	19.37	96.68
VISHWKC-47 (226)	574351	3672:00:00	218:44:00	26:34:00	14:24	25:45:00	3:15	345:00:00	98.61	20.53	97.97
Total	2530214 4	214352:00	14411:47	1184:30:00	822:38:00	2596:30:0 0	865:54:00	22462:00	98.84	16.01	96.94
Site: GOVANA-LALPUR, GUJARAT		VISH WIND INFRASTRUCTURE LLP									
VISHWLP-17 (75)	577493	4081:00:00	196:37:00	13:16	24:10:00	23:41	36:34:00	290:00:00	99.14	16.53	98.58
VISHWLP-18 (76)	725699	4117:00:00	171:13:00	5:12	22:39	23:41	36:34:00	255:00:00	99.36	20.77	98.58
VISHWLP-19 (77)	554616	3975:00:00	190:28:00	141:58:00	9:16	23:35	36:06:00	396:00:00	96.54	15.87	98.59
VISHWLP-20 (78)	612471	3959:00:00	175:14:00	173:32:00	9:14	23:35	36:06:00	412:00:00	95.82	17.53	98.59
VISHWLP-21 (79)	624801	4071:00:00	174:48:00	44:24:00	27:41:00	23:41	36:34:00	297:00:00	98.35	17.88	98.58
VISHWLP-22 (85)	585109	3997:00:00	165:17:00	149:55:00	25:20:00	23:56	7:14	371:00:00	95.97	16.84	99.26
VISHWLP-23 (86)	577223	3956:00:00	177:48:00	170:32:00	31:40:00	23:56	7:14	411:00:00	95.35	16.61	99.26
VISHWLP-24 (87)	564327	3839:00:00	179:48:00	282:04:00	26:26:00	23:56	7:14	529:00:00	92.9	16.24	99.26
VISHWLP-25 (88)	685167	4143:00:00	161:34:00	4:29	28:13:00	24:02:00	7:14	225:00:00	99.25	19.72	99.26
VISHWLP-26 (90)	590481	4080:00:00	203:23:00	6:25	25:35:00	46:29:00	6:55	288:00:00	99.26	16.99	98.75
VISHWLP-27 (91)	584228	4088:00:00	198:48:00	5:50	22:29	46:29:00	6:59	280:00:00	99.35	16.81	98.75
Total	6681615	44306:00	1994:58:00	997:37:00	252:43:00	307:01:00	224:44:00	3754:00:0 0	97.39	17.44	98.86
Site: DHARAMPUR-LALPUR, GUJARAT		VISH WIND INFRASTRUCTURE LLP									
VISHWLP-33 (372)	614081	4100:00:00	186:09:00	8:37	27:01:00	23:41	31:16:00	274:00:00	99.18	17.57	98.7
VISHWLP-34 (373)	596040	3909:00:00	208:01:00	185:13:00	23:56	22:27	28:01:00	465:00:00	95.21	17.06	98.81
VISHWLP-35 (374)	619992	4057:00:00	182:09:00	65:05:00	20:58	23:41	28:29:00	317:00:00	98.03	17.74	98.77
VISHWLP-36 (378)	627730	4000:00:00	158:03:00	148:02:00	22:55	29:08:00	7:09	368:00:00	96.09	17.96	99.17
Total	2457843	16066:00	734:22:00	406:57:00	94:50:00	98:57:00	94:55:00	1424:00:0 0	97.13	17.58	98.86