

**MONITORING REPORT FORM (F-CDM-MR)**
Version 02.0**MONITORING REPORT**

Title of the project activity	Wind Power Project in Tirunelveli Tamilnadu
Reference number of the project activity	4846
Version number of the monitoring report	01
Completion date of the monitoring report	23/07/2012
Registration date of the project activity	08/07/2011
Monitoring period number and duration of this monitoring period	01 (08/07/2011 – 30/06/2012)
Project participant(s)	M/s Vish Wind Infrastructure LLP.
Host Party(ies)	India
Sectoral scope(s) and applied methodology(ies)	Sectoral Scope: 1 AMS-I.D. ver. 16
Estimated amount of GHG emission reductions or net anthropogenic GHG removals by sinks for this monitoring period in the registered PDD	16,360
Actual GHG emission reductions or net anthropogenic GHG removals by sinks achieved in this monitoring period	8,257

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

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The purpose of the project activity is to utilize renewable wind energy for generation of electricity. The project activity replaces anthropogenic emissions of greenhouse gases (GHG's) into the atmosphere, by displacing the equivalent amount of electricity generation through the operation of existing fuel mix in the grid comprising mainly fossil fuel based power plants and future capacity expansions connected to the grid.

The project activity is set up to produce clean power from the wind energy converters (WEC's). The project activity involves supply, erection, commissioning and operation of 10 machines of rated capacity 800 kW each. The machines are Enercon E-53 make. The WEGs generates 3-phase power at 400V, which is stepped up to 33 kV. The Project can operate in the frequency range of 47.5–51.5 Hz and in the voltage range of $400\text{ V} \pm 12.5\%$. The generated electricity will be supplied to the Tamilnadu Electricity Board (TNEB) under a long term power purchase agreement (PPA).

The first machine under the project activity was commissioned on 29 September 2010 and last machine under the project activity was commissioned on 30 September 2010. The expected operational lifetime of the project is 20 years.

The total emission reductions achieved under current monitoring period (08/07/2011 to 30/06/2012) is 8,257 tCO₂.

A.2. Location of project activity

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The project is located across villages in Vagaikulam, Kattarakulam and Melelanthaikulam of Tirunelveli 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.

The project consists of 10 numbers of Enercon make E-53 WECs of 800 kW each. The latitude and longitude of the project activity are given below:

WEG Serial No.	UID No	Location No.	Village/ City	District	State	Country	GPS Coordinate	
							Latitude (N)	Longitude (E)
1	VISHWMN-01	V168	Vagaikulam	Tirunelveli	Tamil Nadu	India	8°54'06.2"	77°38'04.3"
2	VISHWMN-02	V152	Vagaikulam				8°53'57.9"	77°37'38.2"
3	VISHWMN-03	119	Kattarakulam				8°55'11.9"	77°40'25.4"
4	VISHWMN-04	122	Kattarakulam				8°55'13.8"	77°40'37.7"
5	VISHWMN-05	121	Kattarakulam				8°55'22.2"	77°40'39.6"
6	VISHWMN-06	116	Kattarakulam				8°54'33.1"	77°40'31.1"
7	VISHWMN-07	60	Kattarakulam				8°54'45.0"	77°40'47.7"



8	VISHWMN-08	62	Kattarakulam				8°54'55.5"	77°40'58.7"
9	VISHWMN-09	128	Melelanthaikulam				8°55'34.8"	77°41'10.5"
10	VISHWMN-10	131	Melelanthaikulam				8°56'10.8"	77°41'21.4"

A.3. Parties and project participant(s)

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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

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The project activity is a small scale CDM project activity based on Appendix B of the simplified modalities and procedures for small-scale CDM project activities. The project activity conforms to the following category:

Sectoral Scope : 'Energy industries (renewable - / non-renewable sources)' (1)

Project Type : TYPE I - RENEWABLE ENERGY PROJECTS

Category : I.D. Grid connected renewable electricity generation

Reference : AMS I.D., Version 16, EB 54.

(Weblink: <http://cdm.unfccc.int/methodologies/DB/RSCTZ8SKT4F7N1CFDXCSA7BDQ7FU1X>)

Tool: Tool to calculate the emission factor for an electricity system – Version 02.1.0

(weblink: <http://cdm.unfccc.int/methodologies/PAmethodologies/tools/am-tool-07-v2.1.0.pdf>)

A.5. Crediting period of project activity

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Type of crediting period : Fixed
Start date of crediting period : 08/07/2011
Length of crediting period : 10 years

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

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The project activity consists of 10 WEGs (800 kW) of Enercon make E-53. The first machine under the project activity was commissioned on 29 September 2010 and last machine under the project activity was commissioned on 30 September 2010. The commissioning dates for all the machines include in the project activity are given in the table below.

S.No.	WEG HTSC no.	No of WEGs connected	Date of Commissioning
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1	3371	01	29-Sep-10
2	3372	01	29-Sep-10
3	3396	01	30-Sep-10
4	3397	01	30-Sep-10
5	3398	01	30-Sep-10
6	3399	01	30-Sep-10
7	3400	01	30-Sep-10
8	3401	01	30-Sep-10
9	3402	02	30-Sep-10

Enercon operation and maintenance activities are ISO certified and all the events are recorded in the log book available at the project site. 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 performance report of project WEGs during the monitoring period including the down time, machine availability, grid availability, etc. has been added in Appendix 1. During the monitoring period there were no events or situations occurred, which may impact the applicability of the methodology

The project activity comprises of 10 WECs of Enercon's model E-53. The project uses technology that is environmentally clean and safe since there are no GHG emissions associated with the electricity generation from the windmills. The WECs generates 3-phase power at 400V, which is stepped up to 33 KV. The project activity can operate in the frequency range of 47.5–51.5 Hz and in the voltage range of 400 V \pm 12.5%. The average life time of the WEC is around 20 years as per the industry standards. The other salient features of the state-of-art-technology are:

E 53 Specifications

Turbine model	Enercon E- 53
Rated power	800 KW
Rotor diameter	53 m
Hub height	75 m
Turbine Type	Gearless horizontal axis wind turbine with variable rotor speed
Power regulation	Independent electromechanical pitch system for each blade.
Cut in wind speed	2.5 m/s
Rated wind speed	12 m/s
Cut out Wind speed	28-34 m/s
Extreme Wind Speed	59.5 m/s
Rated rotational speed	32 rpm
Operating range rot. speed	12-29 rpm
Orientation	Upwind
No of Blades	3
Blade Material	Fibre Glass Epoxy reinforced with integral lightning protection
Gear box type	Gear less
Generator type	Synchronous generator

Braking	Aerodynamic
Output Voltage	400 V
Yaw System	Active yawing with 4 electric yaw drives with brake motor and friction bearing
Tower	74 m concrete

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

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Not applicable

B.2.2. Corrections

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Not applicable

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

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Not applicable

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

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Not applicable

B.2.5. Changes to start date of crediting period

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Not applicable

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

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Not applicable

SECTION C. Description of monitoring system

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The Project is operated and managed by Enercon (India) Limited. They follow the documentation practices to ensure the reliability and availability of the data for all the activities as required from the identification of the site, wind resource assessment, logistics, finance, construction, commissioning and operation of the wind power project.

This approved monitoring methodology requires monitoring of the following:

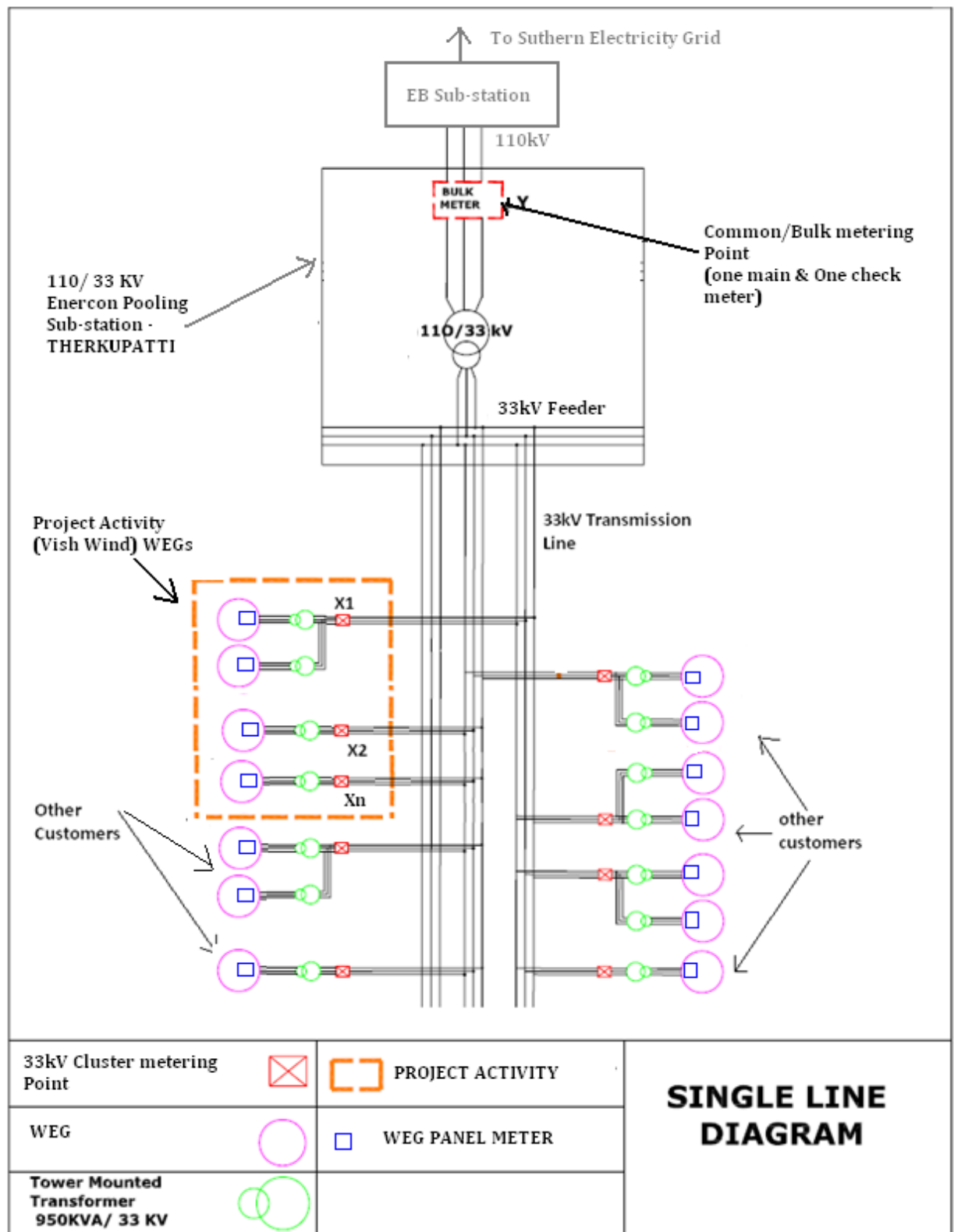
- Electricity generation from the project activity; and
- Operating margin emission factor and build margin emission factor of the grid, where *ex post* determination of grid emission factor has been chosen

Since the baseline methodology is based on *ex ante* determination of the baseline, the monitoring of operating margin emission factor and build margin emission factor is not required. Further, wind based electricity generation is not associated with any kind of leakages. Hence, the sole parameter for monitoring is the electricity generated by the project and supplied to the grid.

The Project is operated by Enercon (India) Limited and managed by the PP. The operational and maintenance contract for the project is with Enercon (India) Limited. Enercon (India) Limited is an ISO 9001:2000 certified Quality Management system from Germanischer Lloyd. Enercon (India) Limited follows the documentation practices to ensure the reliability and availability of the data for all the activities as required from the identification of the site, wind resource assessment, logistics, finance, construction, commissioning and operation of the wind power project.

Description of metering arrangement for project activity:-

Single Line diagram of Metering arrangement for project activity is shown in below picture:-



Metering system for the project activity consists of clusters of individual metering points at 33kV at project site. Each 33kV metering points will have one main meter of 0.5s of accuracy class which is exclusively be connected to WEGs of the project activity i.e. there will be no WEGs of other project owners that are connected to these metering point. There are total 9 individual metering points at 33kV for project activity.



In addition the 33kV metering points there is one set of main & check meter of 0.2s accuracy class at 110kV Enercon Pooling sub-station (common/Bulk metering point) where all the WEGs of project activity and non-project activity are connected.

Monitoring information

Monthly statement showing the electricity generated through windmills given by Tamilnadu Electricity Board (TNEB)/ Tirunelveli Electricity Distribution Circle, Tirunelveli) contains the following data:-

1. Electricity Export (EGexport)
2. Electricity Import (EGimport)
3. Line Loss between 33 kV and 110 kV metering points
4. Net Export /Generation to the Grid by the project WEGs

Net electricity exported by the wind mills will be calculated by Electricity Board independently. Either Enercon (India) Limited or PP doesn't have any role or control on calculation of net electricity generation/export.

The Electricity Export, Electricity Import, Line Loss and net electricity supplied (Net Generation) to the grid, can be cross checked from the invoices raised on the state utility for net electricity exported to the grid.

Procedure of apportioning:-

In case the date of registration or start date of the crediting period of the project activity does not match with the date of joint meter report or billing cycle, the net electricity exported to the grid for that month will be done based upon the meter reading of the controller meter (also known as Local Control System (LCS) meter) located in the WEC tower and will be calculated as follows:-

Net electricity export to the grid by a WEG @ SEB meter for n no. of days =

Daily controller generation of that WEG for n no. of days * Total Net export of that WEG @ SEB meter for a month

Monthly controller generation of that WEG for that month

Calibrations Details of Meters:

The metering equipments were inspected & calibrated by State Utility. Meter details for the all the cluster meters at 33kV level are as follows:-

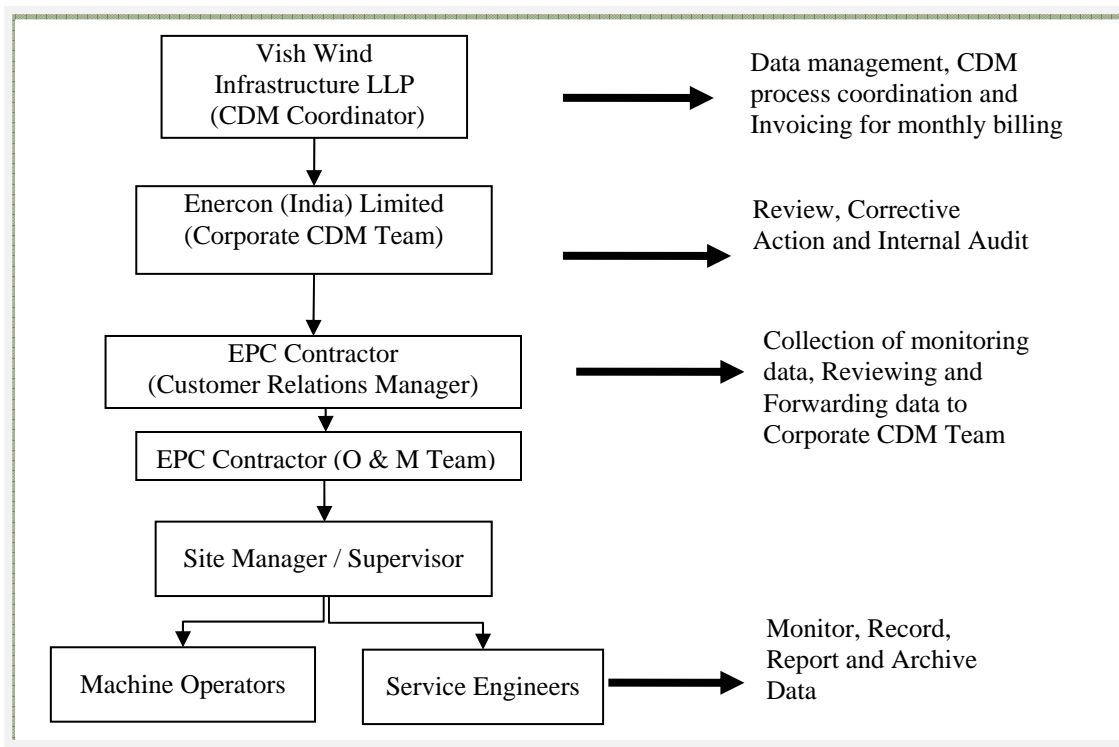
WEG HTSC No.	Meter Serial No.	Make	Accuracy class	Last date of calibration	Meter Type
3371	TNU04930	Premier	0.5	29 Sep 2010	All the meters are two-way Tri-vector meters capable of recording import and export of
3372	TNU04926	Premier	0.5	29 Sep 2010	
3396	TNU04931	Premier	0.5	30 Sep 2010	
3397	TNU04935	Premier	0.5	30 Sep 2010	
3398	TNU04941	Premier	0.5	30 Sep 2010	
3399	TNU04910	Premier	0.5	30 Sep 2010	
3400	TNU04916	Premier	0.5	30 Sep 2010	



3401	TNU04927	Premier	0.5	30 Sep 2010	electricity.
3402	TNU04939	Premier	0.5	30 Sep 2010	

Monitoring roles and responsibilities

The operational and management structure implemented for data monitoring is as follows:



PP will be monitoring the data sent by the O&M contractor and the data for electricity generated by the project activity will be kept as records for the period of 10+2 years i.e. 2 years beyond the term of crediting period. Enercon (India) Limited is O&M contractor and will be responsible for data recording.

The project proponent is Vish Wind Infrastructure LLP will be keeping and monitoring the data for electricity generation and calibration reports post project implementation. Enercon (India) Limited will be the O&M contractor who will be having the responsibility of activities such as maintaining electricity generation records, calibration records and maintenance of the WEGs (Wind Energy Generators).

SECTION D. Data and parameters

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

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Data/Parameter	$EF_{OM,y}$
Unit	tCO ₂ e/MWh
Description	Operating Margin Emission Factor of Southern Regional Electricity Grid
Source of data	<p>“CO₂ Baseline Database for Indian Power Sector” published by the Central Electricity Authority, Ministry of Power, Government of India.</p> <p>The “CO₂ Baseline Database for Indian Power Sector” is available at www.cea.nic.in</p>
Value(s) applied	0.98756
Purpose of data	Calculation of Baseline Emissions
Additional comment	None

Data/Parameter	$EF_{BM,y}$
Unit	tCO ₂ e/MWh
Description	Build Margin Emission Factor of Southern Regional Electricity Grid
Source of data	<p>“CO₂ Baseline Database for Indian Power Sector” published by the Central Electricity Authority, Ministry of Power, Government of India.</p> <p>The “CO₂ Baseline Database for Indian Power Sector” is available at www.cea.nic.in</p>
Value(s) applied	0.81792
Purpose of data	Calculation of Baseline Emissions
Additional comment	None

Data/Parameter	$EF_{CO_2, grid, y}$
Unit	tCO ₂ e/MWh
Description	Combined Margin Emission Factor of Southern Regional Electricity Grid
Source of data	<p>Combined Margin Emission Factor ($EF_{CM,y}$) is calculated as the weighted average of Operating Margin Emission Factor ($EF_{OM,y}$) and Build Margin Emission Factor ($EF_{BM,y}$).</p> <p>The “CO₂ Baseline Database for Indian Power Sector” published by the Central Electricity Authority, Ministry of Power, Government of India.</p> <p>The “CO₂ Baseline Database for Indian Power Sector” is available at www.cea.nic.in</p>
Value(s) applied	= 0.94515
Purpose of data	Calculation of Baseline Emissions
Additional comment	None

Please refer Annex 1 for combined margin calculation.

**D.2. Data and parameters monitored**

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Data/Parameter	EG_{BL,y}
Unit	MWh (Mega-watt hour)
Description	Net Electricity Exported to the grid by the project activity.
Measured/Calculated/Default	Measured
Source of data	Monthly statement showing the electricity generated through windmills given by Tamil Nadu Electricity Board (TNEB)/ Tirunelveli Electricity Distribution Circle, Tirunelveli (TANGEDCO).
Value(s) of monitored parameter	= 8736.373
Monitoring equipment	Please refer section 'C' (Description of monitoring system) for the details of meter type, accuracy class, serial number, calibration frequency, date of last calibration and validity under the heading 'Calibrations Details of Meters'
Measuring/Reading/Recording frequency	Frequency of recording data: Monthly Refer section C for an illustration of the provisions for measurement methods.
Calculation method (if applicable)	-
QA/QC procedures	Value of EG _{BL,y} as indicated in monthly statement provided by TNEB/TANGEDCO can be crosschecked with the invoices raised by PP on TNEB/TANGEDCO and or sales receipts either in the form of a cheque or the bank statements of the Project Participant which indicates the payment made by the TNEB
Purpose of data	To calculate emission reduction achieved by project activity
Additional comment	The data will be archived both in electronic and hard paper format for crediting period + 2 years.



Data/Parameter	EG_{Export,y}
Unit	MWh (Mega-Watt hour)
Description	Electricity exported by project activity to grid recorded at 33kV metering point (Cluster meter)
Measured/Calculated/Default	Measured
Source of data	Monthly statement showing the electricity generated through windmills given by Tamilnadu Electricity Board (TNEB)/ Tirunelveli Electricity Distribution Circle, Tirunelveli).
Value(s) of monitored parameter	=9465.094
Monitoring equipment	Please refer section 'C' (Description of monitoring system) for the details of meter type, accuracy class, serial number, calibration frequency, date of last calibration and validity under the heading 'Calibrations Details of Meters'
Measuring/Reading/Recording frequency	Frequency of recording data: Monthly Refer section C for an illustration of the provisions for measurement methods.
Calculation method (if applicable)	-
QA/QC procedures	All the meters (project activity cluster meters as well as main & check meter at Enercon pooling sub-station) are calibrated by state utility annually and records are available with PP.
Purpose of data	To calculate emission reduction achieved by project activity
Additional comment	The data will be archived both in electronic and hard paper format for crediting period + 2 years.



Data/Parameter	EG_{Import,y}
Unit	MWh (Mega-Watt hour)
Description	Electricity imported by project activity from the grid recorded at 33kV metering point (Cluster meter)
Measured/Calculated/Default	Measured
Source of data	Monthly statement showing the electricity generated through windmills given by Tamilnadu Electricity Board (TNEB)/ Tirunelveli Electricity Distribution Circle, Tirunelveli).
Value(s) of monitored parameter	=64.012 MWh
Monitoring equipment	Please refer section 'C' (Description of monitoring system) for the details of meter type, accuracy class, serial number, calibration frequency, date of last calibration and validity under the heading 'Calibrations Details of Meters'
Measuring/Reading/Recording frequency	Frequency of recording data: Monthly Refer section C for an illustration of the provisions for measurement methods.
Calculation method (if applicable)	-
QA/QC procedures	All the meters (project activity cluster meters as well as main & check meter at Enercon pooling sub-station) are calibrated by state utility annually and records are available with PP.
Purpose of data	To calculate emission reduction achieved by project activity
Additional comment	The data will be archived both in electronic and hard paper format for crediting period + 2 years.

Data/Parameter	WEG Controller project
Unit	MWh (Mega-watt hour)
Description	Net generation by 10 WEGs of project activity, as measured at the WEGs controller meter (LCS)
Measured/Calculated /Default	Measured
Source of data	Monthly controller generation report (LCS) sourced from E-Care portal.
Value(s) of monitored parameter	=1245.245
Monitoring equipment	Please refer section ‘C’ (Description of monitoring system) for the details of meter type, accuracy class, serial number, calibration frequency, date of last calibration and validity under the heading ‘Calibrations Details of Meters’
Measuring/Reading/ Recording frequency	The value is monitored continuously and recorded daily by the online monitoring station at the site. In addition to the daily generation report, monthly generation reports are also available at monitoring station. Refer section C for an illustration of the provisions for measurement methods.
Calculation method (if applicable)	The procedures for calculation of net electricity supplied to grid for the period during which date of crediting period is not in line with the billing cycle date has been explained in monitoring plan under section C of monitoring report.
QA/QC procedures	All the LCS meters are auto calibrated. In case of any fault WEG stops automatically and meter is replaced immediately.
Purpose of data	To calculate emission reduction achieved by project activity
Additional comment	The data will be archived in electronic form for crediting period + 2 years. This value will be used to calculate net electricity export to the grid for the period during which date of crediting period is not in line with the billing cycle date

D.3. Implementation of sampling plan

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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

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The baseline emissions are calculated as:

$$BE_y = EG_{BL,y} * EF_{CO2, grid, y}$$

Where,

BE_y is baseline emissions in year y, tCO₂e

$EG_{BL,y}$ is the Net Electricity Exported to the grid by the project activity.

$EF_{CO2, grid, y}$ is the Combined Margin Emission Factor of Southern Regional Electricity Grid

(0.94515 tCO₂e/MWh fixed ex-ante).

Baseline Emission Reductions calculation for project activity:-

Duration	Net Electricity Exported to the grid by the project activity. (MWh)	Baseline Emission Factor (tCO ₂ e/MWh)	Baseline Emissions (tCO ₂ e)
	[EG _{BL,y}]	[EF _y]	[BE _y]
08 July 2011 to 30 June 2012	8736.373	0.94515	8257
		Total	8,257

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

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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

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No leakage is considered from the project activity as per approved methodology AMS I.D.

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

Duration	Baseline emissions or baseline net GHG removals by sinks (tCO ₂ e)	Project emissions or actual net GHG removals by sinks (tCO ₂ e)	Leakage (tCO ₂ e)	Emission reductions or net anthropogenic GHG removals by sinks (tCO ₂ e)
08 July 2011 to 30 June 2012	8,257	0	0	8,257
Total	8,257	0	0	8,257

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 (tCO ₂ e)	16,360	8,257

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

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There is change of 49.52% (downside) in the expected and annual emission reductions. The difference in the total CERs is due to low wind availability leading to low plant load factor.



History of the document

Version	Date	Nature of revision
02.0	EB 66 13 March 2012	Revision required to ensure consistency with the "Guidelines for completing the monitoring report form" (EB 66, Annex 20).
01	EB 54, Annex 34 28 May 2010	Initial adoption.
Decision Class: Regulatory Document Type: Form Business Function: Issuance		

Annex 1**BASELINE INFORMATION**

The Operating Margin data for the most recent three years and the Build Margin data for the Southern Region Electricity Grid as published in the CEA database are as follows:

Simple Operating Margin

	Southern Grid (tCO₂e/MWh)
Simple Operating Margin – 2006-07	0.99912
Simple Operating Margin – 2007-08	0.99062
Simple Operating Margin – 2008-09	0.97293
Average Operating Margin of last three years	0.98756

Build Margin

	Southern Grid (tCO₂e/MWh)
Build Margin- 2008-09	0.81792

Combined Margin Calculations

	Weights	Southern Grid (tCO₂e/MWh)
Operating Margin	0.75	0.98756
Build Margin	0.25	0.81792
Combined Margin		0.94515

Detailed information on calculation of Operating Margin Emission Factor and Build Margin Emission Factor is available at www.cea.nic.in.



Annex 2

MONITORING INFORMATION

Detailed metering information has been provided in section C.

Appendix 1: WEG Performance Report¹

State	TAMILNADU			Monthly Performance Report				Date:01/07/2011-30/06/2012		
Wec No.	Generation		Lack Of Wind	Down Time				Machine Availability (%)	Capacity Factor (%)	Grid Availability (%)
	KWh	Hrs		Machine		Grid				
				Fault	Shutdown	Fault	Shutdown			
Site: MANUR,TAMILNADU			VISH WIND INFRASTRUCTURE LLP						Total WEC : 28	
VISHWMN-01 (V168)	1160927	5922:00:00	1760:42:00	71:54:00	37:26:00	1076:33:00	35:18:00	98.76	16.52	76.67
VISHWMN-02 (V152)	1165113	5995:00:00	1773:51:00	07:10	27:04:00	1068:48:00	35:00:00	99.61	16.58	76.75
VISHWMN-03 (119)	903651	5619:00:00	1820:40:00	168:20:00	36:33:00	1178:57:00	83:13:00	97.67	12.86	74.67
VISHWMN-04 (122)	924332	5783:00:00	1772:23:00	59:50:00	26:03:00	1175:57:00	91:35:00	99.02	13.15	74.71
VISHWMN-05 (121)	952550	5971:00:00	1592:28:00	47:36:00	32:52:00	1173:57:00	89:50:00	99.08	13.56	74.75
VISHWMN-06 (116)	923505	5762:00:00	1830:13:00	42:21:00	26:57:00	1168:07:00	81:05:00	99.21	13.14	74.74
VISHWMN-07 (60)	897831	5832:00:00	1781:56:00	24:27:00	23:15	1164:57:00	83:13:00	99.46	12.78	74.76
VISHWMN-08 (62)	969608	5811:00:00	1716:48:00	105:12:00	25:06:00	1159:57:00	87:10:00	98.52	13.8	74.79
VISHWMN-09 (128)	927832	5825:00:00	1715:54:00	55:57:00	32:36:00	1174:57:00	96:11:00	98.99	13.2	74.54
VISHWMN-10 (131)	1012866	6008:00:00	1605:42:00	11:03	25:13:00	1167:37:00	83:13:00	99.59	14.41	74.9

¹ WEG Performance report is provided by O & M contract (“Enercon”).