VER Monitoring Report

Version 04

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Wind energy project by Ramco group in India

Ramco Group, INDIA

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Monitoring Report of Wind energy project by Ramco Group in India

1. Introduction

Ramco group, a well known business group in India, which has business interests in cements, textiles, fibre cements and software systems, covered by several companies of Ramco group which are run independently. These companies have invested in wind power generation in the states of Tamil Nadu and Karnataka, hereinafter referred to as the project activity. This monitoring report is prepared for verification of the voluntary emission reductions generated by the project activity.

2. Project Reference

Title of the project activity	:	Wind energy project by Ramco group in India
UNFCCC reference no. of the project	:	-
Date of registration	:	-
Version of the monitoring report	:	04
Date of the report	:	09/05/2011

3. Location of the project activity

The project activity is located in Dhanakarkulam, Uthumalai, Irukanthurai, Kavalakuruchi, Thandayarkulam, Anaikulam, M.Krishnapuram, Kurichampatti, Vadiyoor, Pazhavoor, Panagudi and Rajagopalaperi villages in Tirunelveli district of Tamilnadu; Kallupalayam, Thungavi, Udumalpet, Poolankinar and Periapatti villages in Coimbatore district of Tamilnadu; Pushpathur village in Dindigul district of Tamilnadu; Gulihosahalli village in Chitradurga district of Karnataka; Aidahalli village in Hassan district of Karnataka.

4. Brief description

The project activity involves the implementation of 159.75 MW capacity wind power project consisting of 136 Wind Turbine Generators (WTGs) in Tirunelveli, Dindigul and Coimbatore districts of Tamil Nadu, and Hassan and Chitradurga districts of Karnataka. All the WTGs have been commissioned. The power generated from wind energy is considered to be carbon neutral and hence does not contribute to any additional green house gas emissions. The project activity would generate about 324 GWh of electricity annually which would replace equivalent quantum of power at the Tamil Nadu Electricity Board (TNEB), Bangalore Electricity Supply Company Ltd (BESCOM) and Chamundeshwari Electricity Supply Corporation Ltd (CESC).

Owner	**Number and Capacity (KW)**	**Utilization**
Madras Cements Limited	24 X 1650	Export to Grid
	11 X 1650	Captive Consumption

	10 X 800	Export to Grid[1]
	43 X 800	Export to Grid
Thanjavur Spinning Mills Limited	4 X 1250	Captive Consumption
Shri Vishnu Shankar Mill Limited	6 X 1250	Captive Consumption
	1 X 1650	Captive Consumption
Rajapalayam Mills Ltd	10 X 1250	Captive Consumption
	2 X 1650	Captive Consumption
Sandhya Spinning Mill Limited	4 X 1250	Captive Consumption
	1 X 350	Captive Consumption
Sudarsanam Spinning Mills	3 X 1250	Captive Consumption
	1 X 1650	Captive Consumption
Rajapalayam Textile (a division of Rajapalayam Mills Ltd)	1 X 1250	Captive Consumption
Ramco Industries Limited	6 X 1250	Captive Consumption
	2 X 800	Export to grid
	1 X 1500	Export to grid
	2 X 1650	Export to grid
	1 X 500	Captive Consumption
	1 X 750	Captive Consumption
Rajapalayam Spintext (a division of Rajapalayam Mills Ltd)	2 X 1250	Captive Consumption

5. Type of Project

[1] The validated PD mentions the utilization of these (10 x 800 kW) wind mills as captive consumption. However, these wind mills began utilization for captive consumption post September 2009 onwards. However, from the commissioning date until this period (September 2009), these wind mills were exporting power to the grid, a deviation from the validated PD as described under section 10 of this monitoring report.

Type: Grid connected electricity generation from renewable sources

The project activity has applied Approved Methodology ACM 0002 /Version 10 dated 03 March 2006- Consolidated methodology for grid-connected electricity generation from renewable sources.

Sectoral Scope: 01

6. Period of verification

Period of verification of emission reductions**:** **28/03/2006 - 31/10/2008**

7. Energy meter accuracy check and calibration details

As per the registered PD, the electricity meter would be calibrated by the State Electricity Boards (SEBs) as per their norms. For the calibration of meters, the SEB refers to Central Electricity Authority (CEA) installation and operation of meters regulations 2006, which state that all the meters shall be tested at least once in five years. The dates of calibration, accuracy class of the meters, and result for all the HTSC are provided below. The accuracy class of all the meters is 0.5.

MCL Pushpathur

HTSC No.	Date of calibration	Validity of calibration	Date of Commissioning	Result
D31	27/2/2007	27/2/2012	27.02.07	Satisfactory
D69	29/3/2007	29/3/2012	29.03.07	Satisfactory
D76	16/4/2007	16/4/2012	16.04.07	Satisfactory
D77	16/4/2007	16/4/2012	16.04.07	Satisfactory
D97	23/7/2007	23/7/2012	23.07.07	Satisfactory
D98	23/7/2007	23/7/2012	23.07.07	Satisfactory
D99	23/7/2007	23/7/2012	23.07.07	Satisfactory
D100	23/7/2007	23/7/2012	23.07.07	Satisfactory
D101	2/8/2007	2/8/2012	02.08.07	Satisfactory
D102	2/8/2007	2/8/2012	02.08.07	Satisfactory
D115	27/9/2007	27/9/2012	27.09.07	Satisfactory
D116	27/9/2007	27/9/2012	27.09.07	Satisfactory
D117	27/9/2007	27/9/2012	27.09.07	Satisfactory
D118	27/9/2007	27/9/2012	27.09.07	Satisfactory
D119	27/9/2007	27/9/2012	27.09.07	Satisfactory
D120	27/9/2007	27/9/2012	27.09.07	Satisfactory
D121	27/9/2007	27/9/2012	27.09.07	Satisfactory
D122	27/9/2007	27/9/2012	27.09.07	Satisfactory
D129	28/9/2007	28/9/2012	28.09.07	Satisfactory
D132	2/1/2008	2/1/2013	02.01.08	Satisfactory
D133	2/1/2008	2/1/2013	02.01.08	Satisfactory
D134	2/1/2008	2/1/2013	02.01.08	Satisfactory
D135	15/3/2008	15/3/2013	15.03.08	Satisfactory
D136	15/3/2008	15/3/2013	15.03.08	Satisfactory
D137	15/3/2008	15/3/2013	15.03.08	Satisfactory
D138	15/3/2008	15/3/2013	15.03.08	Satisfactory

HTSC No.	Date of calibration	Validity of calibration	Date of Commissioning	Result
D139	15/3/2008	15/3/2013	15.03.08	Satisfactory
D140	15/3/2008	15/3/2013	15.03.08	Satisfactory

MCL Thandyarkulam

HTSC No.	Date of calibration	Validity of calibration	Date of calibration	Date of calibration	Commisioning date	Result
2357	4/6/2007	4/6/2012	18/12/2008	7/4/2010	04.06.07	Satisfactory
2358	4/6/2007	4/6/2012	18/12/2008	7/4/2010	04.06.07	Satisfactory
2359	4/6/2007	4/6/2012	18/12/2008	7/4/2010	04.06.07	Satisfactory
2360	4/6/2007	4/6/2012	18/12/2008	7/4/2010	04.06.07	Satisfactory
2361	5/6/2007	5/6/2012	15/12/2008	7/4/2010	05.06.07	Satisfactory
2362	5/6/2007	5/6/2012	15/12/2008	7/4/2010	05.06.07	Satisfactory
2367	14/6/2007	14/6/2012	15/12/2008	7/4/2010	14.06.07	Satisfactory
2368	15/6/2007	15/6/2012	18/12/2008	7/4/2010	15.06.07	Satisfactory

MCL Uthumalai

HTSC No.	Date of calibration	Validity of calibration	Date of calibration	Date of calibration	Commisioning date	Result
1528	31/12/2005	31/12/2010	8/8/2008	12/1/2010	31.12.05	Satisfactory
1529	31/12/2005	31/12/2010	8/8/2008	12/1/2010	31.12.05	Satisfactory
1530	31/12/2005	31/12/2010	8/8/2008	12/1/2010	31.12.05	Satisfactory
1531	31/12/2005	31/12/2010	8/8/2008	20/2/2010	31.12.05	Satisfactory
2037	28/9/2006	28/9/2011	15/10/2008	18/3/2010	29.09.06	Satisfactory
2038	28/9/2006	28/9/2011	15/10/2008	6/4/2010	29.09.06	Satisfactory
2039	28/9/2006	28/9/2011	14/10/2008	6/4/2010	29.09.06	Satisfactory
2067	29/9/2006	29/9/2011	15/10/2008	6/4/2010	30.09.06	Satisfactory
2068	29/09/2006 21/12/2006	21/12/2011	15/10/2008	6/4/2010	30.09.06	Satisfactory
2505	-	-	31/12/2007	6/4/2010	31.12.07	Satisfactory
2506	-	-	22/1/2008	6/4/2010	22.01.08	Satisfactory
2507	-	-	24/1/2008	6/4/2010	24.01.08	Satisfactory
2509	-	-	4/2/2008	6/4/2010	04.02.08	Satisfactory
2510	-	-	13/2/2008	6/4/2010	13.02.08	Satisfactory
2522	-	-	17/3/2008	6/4/2010	17.03.08	Satisfactory
2616	-	-	22/4/2008	6/4/2010	22.04.08	Satisfactory
2629	-	-	23/5/2008	7/4/2010	23.05.08	Satisfactory

MCL Udumalpet

HTSC No.	Date of calibration	Validity of calibration	Commisioning date	Result
U1459	27/7/2007	27/7/2012	27.07.07	Satisfactory
U1460	31/7/2007	31/7/2012	31.07.07	Satisfactory
U1464	16/8/2007	16/8/2012	16.08.07	Satisfactory
U1465	16/8/2007	16/8/2012	16.08.07	Satisfactory
U1468	22/8/2007	22/8/2012	22.08.07	Satisfactory
U1469	22/8/2009	22/8/2014	22.08.07	Satisfactory
U1522	29/3/2008	29/3/2013	29.03.08	Satisfactory
U1532	31/3/2008	31/3/2013	31/3/2008	Satisfactory
U1310	29/9/2006	29/9/2011	29.09.06	Satisfactory
U1311	29/9/2006	29/9/2011	29.09.06	Satisfactory

RIL									
HTSC No.	Date of calibration	Validity of calibration	Date of calibration	Validity of calibration	Date of calibration	Validity of calibration	Date of calibration	Commissioning date	Result
271	31/3/2004	31/3/2009					16/4/2010	31.03.2004	
426			1/12/2003	1/12/2008	24/1/2008	24/1/2013	7/4/2010	21.03.2004	Satisfactory
468	30/1/2003	30/1/2008	9/11/2006	9/11/2011	13/10/2008	13/10/2013	5/4/2010	30.01.2003	Satisfactory
510	25/3/2003	25/3/2008			10/7/2008	10/7/2013	7/4/2010	25.03.2003	Satisfactory
630	30/9/2003	30/9/2008	30/11/2006	30/11/2011	12/7/2007	12/7/2012	6/4/2010	30.09.2003	Satisfactory
1383	15/9/2005	15/9/2010	-	-	4/1/2008	4/1/2013	5/4/2010	15.09.05	Satisfactory
1384	15/9/2005	15/9/2010	-	-	8/1/2008	8/1/2013	5/4/2010	15.09.05	Satisfactory
1525	28/12/2005	28/12/2010	-	-	12/8/2008	12/8/2013	7/4/2010	28.12.2005	Satisfactory
1526	28/12/2005	28/12/2010	-	-	12/8/2008	12/8/2013	7/4/2010	28.12.2005	Satisfactory
ELP-27	31/3/2006	30/3/2011	-	-	24/7/2009	23/7/2014	-	31.03.2006	Satisfactory

H-31[2]	10/10/2007	10/10/2012	-	-	25/11/2008	25/11/2013	-	10.10.07	Satisfactory

HTSC No.	Date of calibration	Validity of calibration	Date of calibration	Validity of calibration	Date of calibration	Date of calibration	Commissioning date	Result
RMU								
978	30/9/2004	30/9/2009	-	-	8/1/2008	5/4/2010	30.09.04	Satisfactory
RST								
975	30/9/2004	30/9/2009	5/12/2006	5/12/2011	7/2/2009	6/4/2010	30.09.04	Satisfactory
977	30/9/2004	30/9/2009	30/11/2006	30/11/2011	16/12/2008	6/4/2010	30.09.04	Satisfactory
Sandhya								
631	30/9/2003	30/9/2008	30/11/2006	30/11/2011	16/12/2008	6/4/2010	30.09.03	Satisfactory
632	30/9/2003	30/9/2008	-	-	20/6/2008	6/4/2010	30.09.03	Satisfactory
1422	27/9/2005	27/9/2010	-	-	4/1/2008	5/4/2010	27.09.05	Satisfactory
1468	29/9/2005	29/9/2010	-	-	8/1/2008	5/4/2010	29.09.05	Satisfactory
1044	18/11/2004 6/12/2005	6/12/2010	7/1/2008	7/1/2013	22/10/2008	6/4/2010	18.11.04	Satisfactory
SRS								
973	30/9/2004	30/9/2009	9/11/2006	9/11/2011	16/12/2008	6/4/2010	30.09.2004	Satisfactory
SSM								
578	21/9/2003	21/9/2008	31/11/2006	31/11/2011	7/1/2008	5/4/2010	21.09.03	Satisfactory
579	21/9/2003	21/9/2008	31/11/2006	31/11/2011	18/12/2008	5/4/2010	21.09.03	Satisfactory
926	23/9/2004	23/9/2009	31/11/2006	31/11/2011	4/6/2007	5/4/2010	23.09.04	Satisfactory
1540	31/12/2005	31/12/2010	28/11/2008	28/11/2013	23/2/2009	7/4/2010	31.12.05	Satisfactory
SVSM								
587	21/9/2003	21/9/2008	22/11/2005	22/11/2010		6/4/2010	21.09.03	Satisfactory
588	22/9/2003	22/9/2008	5/12/2006	5/12/2011		6/4/2010	22.09.03	Satisfactory
974	30/9/2004	30/9/2009	-	-	7/1/2008	6/4/2010	30.09.04	Satisfactory
976	30/9/2004	30/9/2009	27/10/2006	27/10/2011	27/12/2007	7/2/2009	30.09.04	Satisfactory
1333	16/7/2005	16/7/2010	27/12/2007	27/12/2012	5/2/2009	5/4/2010	16.07.05	Satisfactory

[2] Meter Accuracy class of 0.2

HTSC No.	Date of calibration	Validity of calibration	Date of calibration	Validity of calibration	Date of calibration	Date of calibration	Commissioning date	Result
1354	12/8/2005	12/8/2010	27/12/2007	27/12/2012	5/2/2009	5/4/2010	12.08.05	Satisfactory
1527	28/12/2005	28/12/2010	8/8/2008	8/8/2013	23/2/2009	7/4/2010	28.12.05	Satisfactory
TSML								
625	29/9/2003	29/9/2008	2/12/2006	2/12/2011		6/4/2010	29.9.03	Satisfactory
626	29/9/2003	29/9/2008	1/10/2006	1/10/2011	18/12/2008	6/4/2010	29.9.03	Satisfactory
1041	21/10/2004	21/10/2009	9/11/2006	9/11/2011	6/12/2008	6/4/2010	21.10.04	Satisfactory
1748	-	-	30/3/2006	30/3/2011	2/6/2008	6/4/2010	30.3.06	Satisfactory
RML								
576	21/9/2003	21/9/2008	30/11/2006	30/11/2011	18/12/2008	5/4/2010	21.09.03	Satisfactory
577	21/9/2003	21/9/2008	30/11/2006	30/11/2011	18/12/2008	5/4/2010	21.09.03	Satisfactory
944	28/9/2004	28/9/2009	5/12/2006	5/12/2011	16/12/2008	5/4/2010	28.09.04	Satisfactory
972	30/9/2004	30/9/2009	9/11/2006	9/11/2011	16/12/2008	5/4/2010	30.09.04	Satisfactory
979	30/9/2004	30/9/2009	-	-	4/1/2008	5/4/2010	30.09.04	Satisfactory
980	30/9/2004	30/9/2009	29/11/2006	29/11/2011	24/7/2008	5/4/2010	30.09.04	Satisfactory
1022	30/9/2004	30/9/2009	20/12/2007	20/12/2012	7/2/2009	5/4/2010	30.09.04	Satisfactory
1347	4/8/2005	4/8/2010	-	-	8/1/2008	5/4/2010	04.08.05	Satisfactory
1348	4/8/2005	4/8/2010	-	-	8/1/2008	5/4/2010	04.08.05	Satisfactory
1467	29/9/2005	29/9/2010	-	-	8/1/2008	5/4/2010	29.09.05	Satisfactory
1582	28/2/2006	28/2/2011	12/8/2008	12/8/2013	24/2/2009	7/4/2010	28.02.06	Satisfactory
1691	27/3/2006	27/3/2011	12/8/2008	12/8/2008	24/2/2009	7/4/2010	27.03.06	Satisfactory

8. Details of energy meter change during current monitoring period

HTSC no.	Date of meter change	Reason of meter change	Old meter number	New meter number
D116	17.10.2008	Energy meter display problem	04901371	04959597
D120	15.10.2008	Energy meter display problem	04901301	04959602
2068	21.12.2006	Energy meter display failure	04863656	04863822

1044	6.12.2005	Energy meter display failure	02373987	04723065
1044	22.10.2008	Energy meter display failure	04723065	04954012
2068	21.12.2006	Energy meter display failure	04863656	04863822

9. Monitoring plan

Data and parameters monitored:

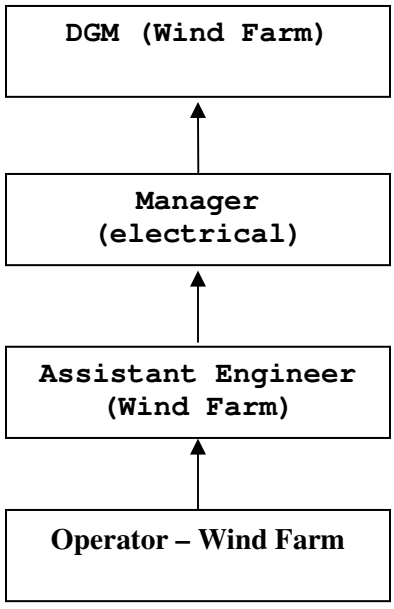
Data / Parameter:	EGy
Data unit:	MWh
Description:	Net electricity supplied to the grid annually
Source of data to be used:	Joint Meter Reading (JMR) report
Value of data applied for the purpose of calculating emission reductions	**2006** **115267.141 MWh** **2007** **208252.272 MWh** **2008** **313968.935 MWh**
Description of measurement methods and procedures to be applied:	The metering equipment is located at each WTG's location and the energy is metered by the SEBs at the high voltage side of the step up transformers installed at each HTSC connection. Monthly meter reading is recorded by the authorized representatives of SEBs in presence of the representative of Ramco group. In addition to this officials (site staff) of Ramco Group record daily reading from the SEB meter
QA/QC procedures to be applied:	All the meters would be calibrated by the SEBs as per their norms. In Ramco Group, Assistant Engineer (AE) - Wind Farm is responsible for collecting the required information from the operators , who look after the day to day operation of the WTGs at the ground level. The AE – Wind Farm records the generation on a daily basis for each service connection point and reports the cumulative generation to the Manager - Electrical. The Manager – Electrical reports to the DGM – Wind Farm on a daily basis. The DGM – Wind Farm is responsible for overall operation of the WTGs.
Any comment:	-

Data / Parameter:	*EFy*
Data unit:	tCO_2/MWh

Description:	Combined Margin CO_2 emission factor of the regional grid
Source of data to be used:	CO_2 baseline database for the Indian Power Sector – Central Electricity Authority (CEA), Ministry of Power, Version 4.0, dated September 2008
Value of data applied for the purpose of calculating emission reductions	0.92694
Description of measurement methods and procedures to be applied:	CEA has estimated the simple operating margin and build margin emission factors for the southern regional grid. For calculating the CO_2 emission factor as per combined margin method for the wind power generation project activities the weights of 0.75 for operating margin and 0.25 for build margin are considered as per 'Tool to calculate the emission factor for an electricity system (Version 01.1)
QA/QC procedures to be applied:	-
Any comment:	-

Organization structure for monitoring:

The day to day operation of the WTGs at the ground level is looked after by the operator. The operator reports to the Assistant Engineer (AE) - Wind Farm, who is responsible for collecting the required information from the operator. The AE – Wind Farm records the generation on a daily basis for each service connection point and reports the cumulative generation to the Manager - Electrical. The Manager – Electrical reports to the DGM – Wind Farm on a daily basis. The DGM – Wind Farm is responsible for overall operation of the WTGs. The organisation structure is given below in Fig 3.1:



10. Deviations from validated PD

- As per validated PD the owner of wind mill having HTSC No 973 is Ramco Industries Limited (RIL). However, the wind mill corresponding to HTSC no. 973 is actually owned by Sri Ramco Spinners (SRS) and the same can be substantiated by referring to the commissioning certificate and the calibration certificate for HTSC No. 973 which mentions that the WTG is owned by Sri Ramco Spinners (SRS)[3].
- The validated PD mentions that (10x800 kW) and (11x1650 kW) machines are for captive consumption. However for the monitoring period under consideration from 28.03.2006 to 31.10.2008, only 11x1650 kW Vestas machines were used for captive consumption, while the 10x800 kW machines were exporting power to grid. This can be observed from the JMR[4] for the particular HTSC no. which do not contain wheeling charges up to September 2009. Post September 2009, these 10x800 kW Enercon machines have been used for captive consumption purpose in line with the validated PD.

11. Emission Reductions of the project activity

According to the approved methodology ACM0002 (Version 10) emission reductions are calculated as

ERy = BEy – PEy – Ly

Where:

BEy: Baseline Emissions in year y (t CO2e/yr)

PEy: Project Emissions in year y (t CO2e/yr)

Ly: Leakage Emissions in year y (t CO2e/yr)

According to the baseline methodology ACM0002 (Ver 10), the GHG emission of the proposed project within the project boundary is zero, i.e.

PE y = 0

Also, according to the methodology, leakage of the proposed project is not considered, i.e.

L y = 0

Therefore the above equation is simplified to

[3] The commissioning certificate and calibration certificate for HTSC no. 973 have been provided to the DOE for verification

[4] The JMR corresponding to (10x800 kW) Enercon machines have been provided to the DOE during verification.

ERy = BEy

Estimation of Baseline Emissions

Baseline emissions (BEy in tCO2) due to displacement of grid-electricity is calculated as the product of the Baseline Emissions Factor (EFy in tCO2/MWh) calculated as described below, times the electricity supplied by the project activity to the grid (EGy - EGbaseline in MWh), over the crediting period.

BEy = (EGy – EGbaseline) X EFy

Where:

EGy: Net Electricity supplied by the project activity to the grid (MWh)

EGbaseline: Baseline electricity supplied to the grid in the case of modified or retrofit facilities (MWh). For new power plants this value is taken as zero. As this is a new power plant this is zero for the project

EFy: Combined margin CO2 emission factor for grid connected power generation in the year y.

ERy = EGy X EFy

For WTGs that are used for captive consumption, the net electricity supplied to the grid is calculated using the formula as given below

Net electricity supplied to the grid = (Net electricity exported to the grid) – wheeling charges (in kwh).

Wheeling charges are calculated by multiplying 5 % with the total electricity exported to the grid. As per the procedure wheeling charges are not considered for WTGs that export electricity to the grid.

Year	Emission Reduction (tCO2)
2006	**106845**
2007	**193037**
2008	**291030**
Total	**590912**

Table 10-1 – Emission reductions of the project activity

Month and Year	Net Power exported (MWh)	Emission Factor (tCO2/MWh)	Baseline Emission (tCO2)	Project Emission (tCO2)	Emission Reductions (tCO2)
2006					
April 2006	1538.605	0.92694	1426.194	0	1426.194
May 2006	8967.049	0.92694	8311.917	0	8311.917
June 2006	19421.12	0.92694	18002.21	0	18002.21
July 2006	18643.82	0.92694	17281.7	0	17281.7
August 2006	23815.47	0.92694	22075.51	0	22075.51
September 2006	15677.64	0.92694	14532.23	0	14532.23
October 2006	16694.88	0.92694	15475.15	0	15475.15
November 2006	4121.911	0.92694	3820.765	0	3820.765
December 2006	6386.657	0.92694	5920.048	0	5920.048
Total	**115267.141**	**0.92694**	**106845**	0	**106845**
2007					
January 2007	13268.8	0.92694	12299.38	0	12299.38
February 2007	10952.31	0.92694	10152.13	0	10152.13
March 2007	5453.084	0.92694	5054.681	0	5054.681
April 2007	2880.815	0.92694	2670.342	0	2670.342
May 2007	8025.02	0.92694	7438.712	0	7438.712
June 2007	23996.83	0.92694	22243.62	0	22243.62
July 2007	29340.48	0.92694	27196.86	0	27196.86
August 2007	34286.69	0.92694	31781.7	0	31781.7
September 2007	30608.466	0.92694	28372.21	0	28372.21
October 2007	31494.755	0.92694	29193.75	0	29193.75
November 2007	7009.801	0.92694	6497.664	0	6497.664
December 2007	10935.231	0.92694	10136.3	0	10136.3
Total	**208252.272**	**0.92694**	**193037**	**0**	**193037**
2008					
January 2008	15354.881	0.92694	14233.05	0	14233.05
February 2008	8134.084	0.92694	7539.808	0	7539.808
March 2008	9981.467	0.92694	9252.221	0	9252.221
April 2008	5987.703	0.92694	5550.241	0	5550.241
May 2008	32055.666	0.92694	29713.68	0	29713.68
June 2008	53610.896	0.92694	49694.08	0	49694.08
July 2008	56616.337	0.92694	52479.95	0	52479.95
August 2008	62475.963	0.92694	57911.47	0	57911.47
September 2008	38164.733	0.92694	35376.42	0	35376.42

Month and Year	**Net Power exported (MWh)**	**Emission Factor (tCO2/MWh)**	**Baseline Emission (tCO2)**	**Project Emission (tCO2)**	**Emission Reductions (tCO2)**
October 2008	29386.783	0.92694	27239.78	0	27239.78
Upto 31st October 2008	2200.422	0.92694	2039.659	0	2039.659
Total	**313968.935**	**0.92694**	**291030**	0	**291030**
Total for the monitoring period	**637488.347**	**0.92694**	**590912**	0	**590912**