

BUNDLED WIND POWER PROJECT IN TAMIL NADU MANAGED BY ENERCON INDIA LIMITED-II

Enercon (India) Limited

Project Title	Bundled Wind Power Project in Tamil Nadu managed by Enercon India Limited-II
Version	4.0
Date of Issue	05-May -2012
Project ID	404
Monitoring Period	16 September 2010 to 15 November 2011
Prepared By	Enercon (India) Limited
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1 PROJECT DETAILS

1.1 Summary Description of Project

Bundled wind power project of 36 MW ("Project") is installed in the state of Tamil Nadu and provides reliable, renewable power to the Tamil Nadu state electricity grid. The Project leads to reduction of greenhouse gas emissions because it displaces electricity from fossil fuel based electricity generation plants. The Project harnesses renewable resources in the region, and thereby displacing non-renewable natural resources thereby ultimately leading to sustainable economic and environmental development. Enercon (India) Ltd ("Enercon" or "EIL") is the equipment supplier and the operations and maintenance contractor for the Project. The generated electricity is supplied to the utility (Discom) under a long-term power purchase agreement (PPA).

The first machine under the project activity was commissioned on 17th Jan 2006 and the last machine under the project activity was commissioned on 11th May 2007. The expected operational lifetime of the project is for 20 years. The total emission reductions achieved under this (third one) monitoring period (16 Sep 2010 to 15 November 2011) is 45813 tCO₂.

1.2 Sectoral Scope and Project Type

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

Project Category: ACM0002, Version-10, "Consolidated baseline methodology for grid-connected electricity generation from renewable sources".

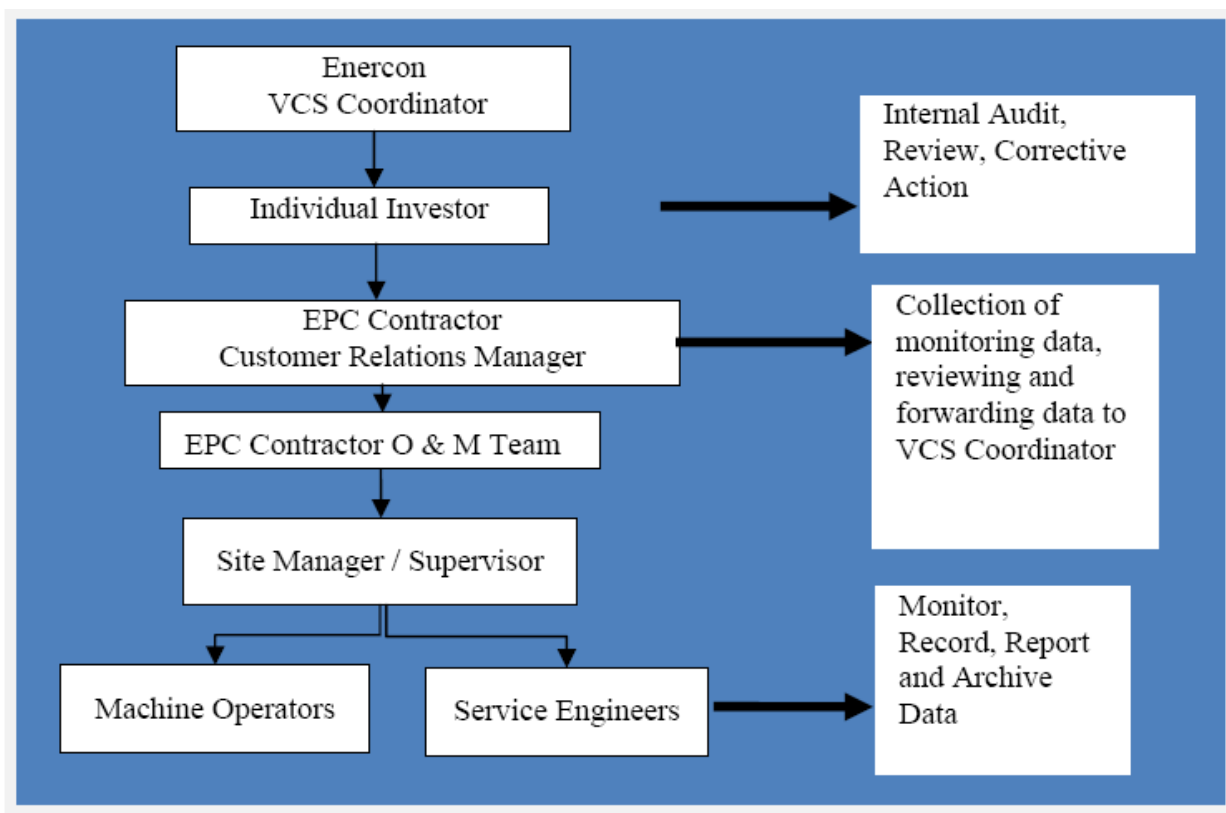
The project is a bundled project activity having five investors. The project involves a total of 45 nos. of WEGs of 800 KW each.

1.3 Project Proponent

Enercon India Limited ("EIL") is the project proponent for this activity and has been duly authorized by the individual investors to take up the said project activity for VCS development. Enercon India Limited will be responsible for all the communications and actions in relation to the project being validated in accordance with the VCS standard.

Roles and Responsibility:

Enercon (India) limited is operation and maintenance contractor for the project. The Project is operated and managed by Enercon (India) Ltd. The operational and management structure implemented by Enercon is as follows:



Contact Information of project proponents are given in the table below:

Organization:	Enercon (India) Limited
Street/P.O.Box:	A-9, Veera Industrial Estate, Veera Desai Road, Andheri West
Building:	Enercon Tower
City:	Mumbai
State/Region:	Maharashtra
Postfix/ZIP:	400 053
Country:	India
Telephone:	+91-22-66924848
FAX:	+91- 22- 67040473 / 66921177
E-Mail:	yogesh.mehra@enerconindia.net
URL:	www.enerconindia.net
Represented by:	
Title:	Managing Director
Salutation:	Mr.
Last Name:	Mehra
Middle Name:	
First Name:	Yogesh
Department:	Corporate
Mobile:	+91-9820040301
Direct FAX:	+91 22 66921177
Direct tel:	+91-22-67022832
Personal E-Mail:	yogesh.mehra@enerconindia.net

1.4 Other Entities Involved in the Project

The detail of project participants, who are the project investors are as follows:

S. No.	Name of Customers	Contact details
1	Premier Spg & Wvg Mills Pvt Ltd	www.premiermills.com/
2	Premier Fine Yarns Pvt Ltd	www.premiermills.com/
3	Coimbatore Twisted (Premier Mills)	www.premiermills.com/
4	Coimbatore Polytex (Premier Mills)	www.premiermills.com/
5	Bannari Amman Spinning Mills	www.bannarimills.com/

1.5 Project Start Date

The first machine under the project activity was commissioned on 17th Jan 2006.

1.6 Project Crediting Period

The length of the Crediting period of the project activity as per registered PDD is 10 years (Renewable) starting from 1/04/2006 to 31/03/2016. In first VER verification, the monitoring period considered was the period from 1-April-2006 to 7-Oct-2009. The second monitoring period is considered from 8-Oct-2009 to 15-Sep-2010. The third monitoring period has been taken from 16-Sep-2010 to 15-Nov-2011.

1.7 Project Location

The project is located at Pushpathur site in Dindigull district and Chinnakkampalayam in Erode district of Tamil Nadu that forms part of the Southern regional electricity grid of India.

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

SI NO.	Customer Name	Feeders	EB Substation	HTSC Number	Latitude (North)			Longitude (East)			UIN
					Deg	Minutes	Second	Deg	Minutes	Second	
1	Premier Spinnings and Weaving Mills Pvt.Ltd.	E-3	Melkaraipatti (110/22KV)	D47	10.00	32.00	5.05	77.00	25.00	20.91	PSWMPLPU-09
2	Premier Spinnings and Weaving Mills Pvt.Ltd.	E-6	Melkaraipatti (110/22KV)	D49	10.00	32.00	9.20	77.00	25.00	35.41	PSWMPLPU-08
3	Premier Spinnings and Weaving Mills Pvt.Ltd.	Viscose	Melkaraipatti (110/22KV)	D52	10.00	32.00	24.92	77.00	25.00	1.08	PSWMPLPU-10
4	Premier Spinnings and Weaving Mills Pvt .Ltd.	E-3	Melkaraipatti (110/22KV)	D54	10.00	34.00	22.31	77.00	25.00	37.47	PSWMPLPU-05
5	Premier Spinnings and Weaving Mills Pvt.Ltd.	E-6	Melkaraipatti (110/22KV)	D79	10.00	34.00	49.80	77.00	26.00	35.98	PSWMPLPU-06
6	Premier Spinnings and Weaving Mills Pvt.Ltd.	E-6	Melkaraipatti (110/22KV)	D80	10.00	34.00	57.15	77.00	26.00	52.68	PSWMPLPU-07
7	Premier Spinnings and Weaving Mills Pvt.Ltd.	E-3	Melkaraipatti (110/22KV)	D81	10.00	34.00	35.66	77.00	24.00	6.33	PSWMPLPU-03
8	Premier Spinnings and Weaving Mills Pvt .Ltd.	E-2	Thalaiyoothu (110/22KV)	D82	10.00	34.00	58.52	77.00	24.00	3.72	PSWMPLPU-02

9	Premier Spinnings and Weaving Mills Pvt .Ltd.	E-2	Thalaiyoothu (110/22KV)	D83	10.00	34.00	34.42	77.00	23.00	41.60	PSWMPLPU-01
10	Premier Spinnings and Weaving Mills Pvt .Ltd.	E-2	Thalaiyoothu (110/22KV)	D84	10.00	34.00	29.82	77.00	24.00	38.05	PSWMPLPU-04
11	Premier Fine Yarns P Ltd	E-1	Thalaiyoothu (110/22KV)	D26	10.00	33.00	23.98	77.00	24.00	45.82	PMPLPU-03
12	Premier Fine Yarns P Ltd	GVG	Thalaiyoothu (110/22KV)	D27	10.00	33.00	31.11	77.00	24.00	40.85	PMPLPU-04
13	Premier Fine Yarns P Ltd	Viscose	Thalaiyoothu (110/22KV)	D28	10.00	33.00	6.07	77.00	25.00	30.66	PMPLPU-01
14	Premier Fine Yarns P Ltd	E-1	Thalaiyoothu (110/22KV)	D29	10.00	33.00	11.92	77.00	25.00	23.14	PMPLPU-02
15	Premier Fine Yarns P Ltd	E-2	Thalaiyoothu (110/22KV)	D30	10.00	33.00	43.81	77.00	25.00	35.03	PMPLPU-05
16	Premier Fine Yarns P Ltd	E-2	Thalaiyoothu (110/22KV)	D30	10.00	33.00	56.76	77.00	25.00	39.05	PMPLPU-06
17	Premier Fine Yarns P Ltd	E-2	Thalaiyoothu (110/22KV)	D32	10.00	33.00	51.10	77.00	25.00	13.65	PMPLPU-07
18	Premier Fine Yarns P Ltd	E-2	Thalaiyoothu (110/22KV)	D32	10.00	33.00	54.39	77.00	25.00	4.11	PMPLPU-08
19	Premier Fine Yarns P Ltd	E-1	Thalaiyoothu (110/22KV)	D33	10.00	33.00	55.90	77.00	24.00	49.46	PMPLPU-09
20	Premier Fine Yarns P Ltd	E-1	Thalaiyoothu (110/22KV)	D34	10.00	34.00	15.28	77.00	24.00	60.00	PMPLPU-10

21	Coimbatore Pvt.Ltd	Polytex	Viscose	Melkaraipatti (110/22KV)	D37	10.00	34.00	32.85	77.00	25.00	45.31	CPPLPU-03
22	Coimbatore Pvt.Ltd	Polytex	Viscose	Melkaraipatti (110/22KV)	D38	10.00	34.00	35.89	77.00	25.00	26.63	CPPLPU-02
23	Coimbatore Pvt.Ltd	Polytex	GVG	Melkaraipatti (110/22KV)	D43	10.00	34.00	43.51	77.00	25.00	21.33	CPPLPU-01
24	Coimbatore Pvt.Ltd	Polytex	GVG	Melkaraipatti (110/22KV)	D43	10.00	34.00	51.46	77.00	25.00	45.95	CPPLPU-04
25	Coimbatore Pvt.Ltd	Polytex	GVG	Melkaraipatti (110/22KV)	D44	10.00	35.00	3.85	77.00	25.00	45.85	CPPLPU-05
26	Coimbatore Pvt.Ltd	Polytex	GVG	Thalaiyoothu (110/22KV)	D45	10.00	35.00	37.18	77.00	25.00	26.49	CPPLPU-06
27	Coimbatore Pvt.Ltd	Polytex	E-2	Melkaraipatti (110/22KV)	D68	10.00	35.00	44.64	77.00	25.00	33.42	CPPLPU-07
28	Coimbatore Pvt.Ltd	Polytex	E-2	Melkaraipatti (110/22KV)	D73	10.00	35.00	55.20	77.00	26.00	9.54	CPPLPU-10
29	Coimbatore Pvt.Ltd	Polytex	E-2	Melkaraipatti (110/22KV)	D74	10.00	36.00	2.31	77.00	25.00	32.83	CPPLPU-08

30	Coimbatore Polytex Pvt.Ltd	E-2	Melkaraipatti (110/22KV)	D75	10.00	36.00	14.23	77.00	25.00	30.99	CPPLPU-09
31	Coimbatore Twisters Pvt. Ltd.	E-2	Melkaraipatti (110/22KV)	D78	10.00	34.00	8.51	77.00	25.00	33.48	CTPLPU-01
32	Bannari Amman Spinning Mills Ltd.	E -3	Chinnaputhur (110/22 KV)	1067	10.00	44.00	11.96	77.00	25.00	2.73	BASMLDH-01
33	Bannari Amman Spinning Mills Ltd.	E-3	Chinnaputhur (110/22 KV)	1068	10.00	44.00	19.64	77.00	24.00	57.79	BASMLDH-02
34	Bannari Amman Spinning Mills Ltd.	E-3	Chinnaputhur (110/22 KV)	1069	10.00	44.00	33.46	77.00	24.00	54.42	BASMLDH-03
35	Bannari Amman Spinning Mills Ltd.	E-7	Chinnaputhur (110/22 KV)	1070	10.00	44.00	50.65	77.00	24.00	35.47	BASMLDH-09
36	Bannari Amman Spinning Mills Ltd.	E-7	Chinnaputhur (110/22 KV)	1070	10.00	45.00	3.08	77.00	24.00	35.14	BASMLDH-10

37	Bannari Amman Spinning Mills Ltd.	E-7	Chinnaputhur (110/22 KV)	1071	10.00	45.00	13.14	77.00	24.00	30.85	BASMLDH-11
38	Bannari Amman Spinning Mills Ltd.	E-7	Chinnaputhur (110/22 KV)	1072	10.00	44.00	50.84	77.00	24.00	19.45	BASMLDH-13
39	Bannari Amman Spinning Mills Ltd.	E-7	Chinnaputhur (110/22 KV)	1072	10.00	44.00	57.94	77.00	24.00	15.10	BASMLDH-14
40	Bannari Amman Spinning Mills Ltd.	E-7	Chinnaputhur (110/22 KV)	1073	10.00	45.00	21.51	77.00	24.00	20.58	BASMLDH-12
41	Bannari Amman Spinning Mills Ltd.	E-3	Chinnaputhur (110/22 KV)	1077	10.00	44.00	42.34	77.00	25.00	2.58	BASMLDH-04
42	Bannari Amman Spinning Mills Ltd.	E-3	Chinnaputhur (110/22 KV)	1077	10.00	44.00	49.72	77.00	24.00	58.89	BSAMLDH-08
43	Bannari Amman Spinning Mills Ltd.	E-3	Chinnaputhur (110/22 KV)	1086	10.00	45.00	2.42	77.00	24.00	53.92	BASMLDH-07

44	Bannari Amman Spinning Mills Ltd.	E-7	Chinnaputhur (110/22 KV)	1106	10.00	44.00	42.99	77.00	25.00	15.38	BASMLDH-05
45	Bannari Amman Spinning Mills Ltd.	E-7	Chinnaputhur (110/22 KV)	1106	10.00	44.00	50.68	77.00	25.00	10.05	BASMLDH-06

1.8 Title and Reference of Methodology

Baseline Methodology: Consolidate baseline methodology for grid-connected electricity generation from renewable sources, ACM0002, Version 10.

Monitoring Methodology: Consolidated monitoring methodology for grid-connected electricity generation from renewable sources, ACM0002, Version 10

2 IMPLEMENTATION STATUS

2.1 Implementation Status of the Project Activity

The first machine under the project activity was commissioned on 17th Jan 2006 and last machine under the project activity was commissioned on 11th May 2007. The project activity consists of 45 machines (800 kW) of Enercon make E-48. The commissioning date for all the machines included in the project activity is given in the table below.

Sr. No.	Name of Customers	HTSC No.	Commissioning Date	No. of M/C	Capacity (MW)
1	Premier Spg & Wvg Mills Pvt Ltd	D47	21-Mar-07	10	8
2	Premier Spg & Wvg Mills Pvt Ltd	D49	21-Mar-07		
3	Premier Spg & Wvg Mills Pvt Ltd	D52	26-Mar-07		
4	Premier Spg & Wvg Mills Pvt Ltd	D54	26-Mar-07		
5	Premier Spg & Wvg Mills Pvt Ltd	D79	25-Apr-07		
6	Premier Spg & Wvg Mills Pvt Ltd	D80	25-Apr-07		
7	Premier Spg & Wvg Mills Pvt Ltd	D81	25-Apr-07		
8	Premier Spg & Wvg Mills Pvt Ltd	D82	9-May-07		
9	Premier Spg & Wvg Mills Pvt Ltd	D83	9-May-07		
10	Premier Spg & Wvg Mills Pvt Ltd	D84	11-May-07		
11	Premier Fine Yarns Pvt Ltd	D26	26-Feb-07	10	8
12	Premier Fine Yarns Pvt Ltd	D27	26-Feb-07		
13	Premier Fine Yarns Pvt Ltd	D28	26-Feb-07		
14	Premier Fine Yarns Pvt Ltd	D29	26-Feb-07		
15	Premier Fine Yarns Pvt Ltd	D30	27-Feb-07		
16	Premier Fine Yarns Pvt Ltd	D30	27-Feb-07		
17	Premier Fine Yarns Pvt Ltd	D32	7-Mar-07		
18	Premier Fine Yarns Pvt Ltd	D32	7-Mar-07		
19	Premier Fine Yarns Pvt Ltd	D33	7-Mar-07		
20	Premier Fine Yarns Pvt Ltd	D34	7-Mar-07		
21	Coimbatore Twisted (Premier Mills)	D37	14-Mar-07	1	0.8
22	Coimbatore Polytex (Premier	D38	14-Mar-07	10	8

Sr. No.	Name of Customers	HTSC No.	Commissioning Date	No. of M/C	Capacity (MW)
	Mills)				
23	Coimbatore Polytex (Premier Mills)	D43	21-Mar-07		
24	Coimbatore Polytex (Premier Mills)	D43	21-Mar-07		
25	Coimbatore Polytex (Premier Mills)	D44	21-Mar-07		
26	Coimbatore Polytex (Premier Mills)	D45	21-Mar-07		
27	Coimbatore Polytex (Premier Mills)	D68	29-Mar-07		
28	Coimbatore Polytex (Premier Mills)	D73	30-Mar-07		
29	Coimbatore Polytex (Premier Mills)	D74	30-Mar-07		
30	Coimbatore Polytex (Premier Mills)	D75	30-Mar-07		
31	Coimbatore Polytex (Premier Mills)	D78	16-Apr-07		
32	Bannari Amman Spinning Mills	1067	17-Jan-06	14	11.2
33	Bannari Amman Spinning Mills	1068	17-Jan-06		
34	Bannari Amman Spinning Mills	1069	17-Jan-06		
35	Bannari Amman Spinning Mills	1070	17-Jan-06		
36	Bannari Amman Spinning Mills	1070	17-Jan-06		
37	Bannari Amman Spinning Mills	1071	17-Jan-06		
38	Bannari Amman Spinning Mills	1072	17-Jan-06		
39	Bannari Amman Spinning Mills	1072	17-Jan-06		
40	Bannari Amman Spinning Mills	1073	17-Jan-06		
41	Bannari Amman Spinning Mills	1077	1-Feb-06		
42	Bannari Amman Spinning Mills	1077	1-Feb-06		
43	Bannari Amman Spinning Mills	1086	8-Feb-06		
44	Bannari Amman Spinning Mills	1106	8-Mar-06		
45	Bannari Amman Spinning Mills	1106	8-Mar-06		
	Total			45	36

Enercon operation and maintenance activities are ISO 9001:2008 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. There have not been any special events comprising of major overhauls and downtime of project activity during the said monitoring period; thus there has not been any change in the operation of project activity during the monitoring period.

Runtime/shut down details is as follows:

State	TAMILNADU			Monthly Performance Report						Date:16/09/2010-15/11/2011		
	Generation		Lack Of Wind	Down Time					Machine Availability(%)	Capacity Factor(%)	Grid Availability(%)	
	Wec No.	KWh		Hrs	Machine		Grid					Total
					Fault	Shutdown	Fault	Shutdown				
Site: PUSHPATHUR,TAMILNADU				PREMIER SPG AND WEAVING MILLS P. LTD								Total WEC : 10
PSWMPLPU-01 (89)	1465495	7083:00:00	2700:21:00	10:00	32:20:00	565:29:00	0:50	3309:00:00	99.59	17.63	94.09	
PSWMPLPU-02 (88)	1420786	7100:00:00	2670:16:00	38:00:00	19:40	565:29:00	1:30	3292:00:00	99.45	17.09	94.08	
PSWMPLPU-03 (87)	1505212	7198:00:00	2503:21:00	99:00:00	33:10:00	565:29:00	0	3194:00:00	98.73	18.11	94.1	
PSWMPLPU-04 (95)	1428145	6998:00:00	2573:49:00	8:00	40:15:00	761:11:00	11:45	3394:00:00	99.54	17.18	92.1	
PSWMPLPU-05 (32)	1662831	7466:00:00	2542:57:00	3:00	30:21:00	345:43:00	3:59	2926:00:00	99.68	20	96.64	
PSWMPLPU-06 (47)	1423061	6960:00:00	2504:48:00	13:30	27:05:00	954:52:00	0	3432:00:00	99.61	17.12	90.81	
PSWMPLPU-07 (65)	1416386	6924:00:00	2451:33:00	51:00:00	58:38:00	954:52:00	2:27	3468:00:00	98.94	17.04	90.79	
PSWMPLPU-08 (2)	1455309	7293:00:00	2361:08:00	7:45	57:50:00	656:54:00	20:55	3099:00:00	99.37	17.51	93.48	
PSWMPLPU-09 (1)	1419501	7202:00:00	2441:24:00	2:30	64:36:00	656:54:00	28:38:00	3190:00:00	99.35	17.07	93.4	
PSWMPLPU-10 (3)	1445449	7281:00:00	2372:46:00	14:15	46:06:00	656:54:00	25:31:00	3111:00:00	99.42	17.39	93.43	
Total	14642175	71505:00	25122:23	247:00:00	410:01:00	6683:47:00	95:35:00	32415:00	99.37	17.61	93.29	
Site: PUSHPATHUR,TAMILNADU				PREMIER FINE YARNS PVT LTD						Total WEC : 10		
PMPLPU-01 (9)	1384143	7112:00:00	2540:23:00	0	59:54:00	656:54:00	27:21:00	3280:00:00	99.42	16.65	93.42	
PMPLPU-02 (10)	1384074	7157:00:00	2493:31:00	4:30	58:11:00	656:54:00	26:26:00	3235:00:00	99.4	16.65	93.42	
PMPLPU-03 (4)	1227506	6826:00:00	2667:39:00	147:10:00	58:34:00	656:54:00	38:26:00	3566:00:00	98.02	14.77	93.31	
PMPLPU-04 (5)	1234582	6889:00:00	2728:32:00	33:00:00	54:43:00	656:54:00	33:13:00	3503:00:00	99.16	14.85	93.36	
PMPLPU-05 (17)	1477024	7291:00:00	2460:29:00	14:00	39:37:00	585:09:00	10:05	3101:00:00	99.48	17.77	94.27	
PMPLPU-06 (20)	1639563	7241:00:00	2565:20:00	56:30:00	189:00:00	343:21:00	3:34	3151:00:00	97.64	19.72	96.66	
PMPLPU-07 (21)	1604187	7410:00:00	2383:59:00	146:16:00	45:44:00	400:09:00	6:43	2982:00:00	98.15	19.3	96.09	
PMPLPU-08 (22)	1353976	7093:00:00	2602:58:00	61:30:00	50:42:00	570:30:00	16:40	3299:00:00	98.92	16.29	94.35	
PMPLPU-09 (23)	1495848	7166:00:00	2389:32:00	8:00	39:56:00	584:42:00	207:10:00	3226:00:00	99.54	17.99	92.38	
PMPLPU-10 (29)	1334753	7129:00:00	2564:26:00	77:00:00	25:30:00	585:09:00	13:15	3263:00:00	99.01	16.06	94.24	
Total	14135656	71314:00	25396:49	547:56:00	621:51:00	5696:36:00	382:53:00	32606:00	98.87	17	94.15	
Site: PUSHPATHUR,TAMILNADU				COIMBATORE TWISTERS PRIVATE LTD						Total WEC : 1		
CTPLPU-01 (85)	1629001	7454:00:00	2546:10:00	23:00	37:08:00	345:43:00	4:00	2938:00:00	99.42	19.59	96.64	
Site: PUSHPATHUR,TAMILNADU				COIMBATORE POLYTEX PVT LTD						Total WEC : 10		
CPPLPU-01 (40)	1671635	7505:00:00	2455:05:00	7:15	31:20:00	395:39:00	5:23	2887:00:00	99.63	20.11	96.14	
CPPLPU-02 (39)	1664259	7440:00:00	2457:39:00	64:30:00	32:00:00	395:39:00	4:47	2952:00:00	99.07	20.02	96.15	
CPPLPU-03 (37)	1551799	7390:00:00	2618:43:00	9:30	28:00:00	345:43:00	3:34	3002:00:00	99.64	18.67	96.64	
CPPLPU-04 (45)	1509039	7283:00:00	2546:42:00	122:30:00	29:00:00	400:09:00	12:30	3109:00:00	98.54	18.15	96.03	
CPPLPU-05 (51)	1522377	7252:00:00	2614:02:00	114:52:00	12:00	400:09:00	2:27	3140:00:00	98.78	18.31	96.13	
CPPLPU-06 (56)	1181031	6535:00:00	2710:26:00	152:30:00	30:45:00	963:19:00	0	3857:00:00	98.24	14.21	90.5	
CPPLPU-07 (57)	1319314	6788:00:00	2566:16:00	28:40:00	42:45:00	963:19:00	5:00	3604:00:00	99.31	15.87	90.45	
CPPLPU-08 (60)	1259859	6730:00:00	2679:41:00	0	22:00	963:19:00	0	3662:00:00	99.79	15.15	90.5	
CPPLPU-09 (61)	1341790	6751:00:00	2608:11:00	43:00:00	28:30:00	963:19:00	0	3641:00:00	99.31	16.14	90.5	
CPPLPU-10 (58)	1406448	6939:00:00	2460:11:00	0	29:30:00	963:19:00	2:00	3453:00:00	99.72	16.92	90.48	
Total	14427551	70613:00	25716:56	542:47:00	285:50:00	6753:54:00	35:41:00	33307:00	99.2	17.35	93.35	
Site: DHARAPURAM,TAMILNADU				BANNARI AMMAN SPINNING MILLS LTD						Total WEC : 14		
BASMLDH-01 (95)	1795961	7073:00:00	2621:30:00	34:15:00	68:37:00	594:38:00	0	3319:00:00	99.01	21.6	94.28	
BASMLDH-02 (96)	1618230	6848:00:00	2780:40:00	106:20:00	57:22:00	597:38:00	2:00	3544:00:00	98.42	19.46	94.23	
BASMLDH-03 (97)	1478517	6829:00:00	2840:39:00	70:41:00	54:02:00	597:38:00	0	3563:00:00	98.8	17.78	94.25	
BASMLDH-04 (98)	1623596	6945:00:00	2777:45:00	10:15	59:52:00	599:08:00	0	3447:00:00	99.33	19.53	94.23	
BASMLDH-05 (100)	1485716	6803:00:00	2768:59:00	47:50:00	69:42:00	702:29:00	0	3589:00:00	98.87	17.87	93.24	
BASMLDH-06 (101)	1447716	6782:00:00	2806:13:00	31:36:00	68:57:00	703:14:00	0	3610:00:00	99.03	17.41	93.23	
BASMLDH-07 (102)	1385963	6524:00:00	2764:35:00	148:10:00	369:02:00	601:53:00	2:00	3868:00:00	95.02	16.67	94.19	
BASMLDH-08 (103)	1581043	6740:00:00	2684:58:00	40:00:00	339:24:00	587:38:00	0	3652:00:00	96.35	19.02	94.35	
BASMLDH-09 (104)	1470126	6716:00:00	2852:32:00	46:12:00	66:12:00	711:04:00	0	3676:00:00	98.92	17.68	93.16	
BASMLDH-10 (105)	1428899	6653:00:00	2832:32:00	135:32:00	60:47:00	707:19:00	2:50	3739:00:00	98.11	17.19	93.17	
BASMLDH-11 (106)	1522420	6830:00:00	2766:46:00	40:13:00	63:42:00	691:19:00	0	3562:00:00	99	18.31	93.35	
BASMLDH-12 (107)	1547025	6484:00:00	2408:24:00	69:15:00	57:00:00	1373:21:00	0	3908:00:00	98.79	18.61	86.78	
BASMLDH-13 (109)	1561948	6851:00:00	2702:22:00	53:30:00	80:17:00	704:51:00	0	3541:00:00	98.71	18.79	93.22	
BASMLDH-14 (110)	1551645	6856:00:00	2737:44:00	35:48:00	59:37:00	702:51:00	0	3536:00:00	99.08	18.66	93.24	

2.2 Deviations from the Monitoring Plan

1. Panel meter or the controller meter does not require any 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 an error report. The interim generation shall not be recorded by the meter and therefore the approach avoids any reporting risk and therefore the approach is conservative. The same has been explained in the technical supplier manual submitted to the DOE. Therefore Project Proponent (PP) has sought deviation from the Validated Project Document (PD) with respect to the calibration of the LCS panel meter
2. In Tamil Nadu, individual metering system exist i.e. there is separate meter for separate location number identified as HTSC number. A HTSC number may have more than one machine. Meter measures import & export value from the WEGs. JMR records the EG_{export} , EG_{import} and EG_y (net electricity supplied). The EG_y has been used for calculating emission reduction. If all the machines allotted to single HTSC number are part of project activity then no apportioning is required to find out the net electricity supplied to grid as is the case of project activity. The monitoring of EG_{gross} does not impact the value of emission reduction. Thus the monitoring of EG_{gross} as mentioned in the registered PD become obsolete. Hence we seek deviation in the monitoring plan mentioned in the VCS validated PD. It is therefore stated that no apportioning will be required for future crediting period. Further, in the Validated VCS PD it is mentioned in Section 3.3 under "Any Comments" of EG, export and EG, import that "Apportioned values shall be calculated" which does not represent the correct monitoring procedure as no apportioning of either EG, export, EG, import or EG_y is carried out. A deviation on this account is henceforth, sought for the current as well as future Monitoring periods of the Project activity. This deviation will be applied for all the monitoring period.

2.3 Grouped Project

Not applicable

3 DATA AND PARAMETERS

3.1 Data and Parameters Available at Validation

Data Unit / Parameter:	$EF_{OM,y}$
Data unit:	tCO ₂ e/MWh
Description:	Operating Margin Emission Factor of Southern Regional Electricity Grid
Source of data:	"CO ₂ Baseline Database for Indian Power Sector" version 4 published by the Central Electricity Authority, Ministry of Power, Government of India. The "CO ₂ Baseline Database for Indian Power Sector" version 4 is available at http://www.cea.nic.in/reports/planning/cdm_co2/cdm_co2.htm
Value applied:	0.998157

Purpose of the data:	Baseline Emissions
Any comment:	None

Data Unit / Parameter:	EF_{BM,y}
Data unit:	tCO ₂ e/MWh
Description:	Build Margin Emission Factor of Southern Regional Electricity Grid
Source of data:	“CO ₂ Baseline Database for Indian Power Sector” version 4 published by the Central Electricity Authority, Ministry of Power, Government of India. The “CO ₂ Baseline Database for Indian Power Sector” version 4 is available at http://www.cea.nic.in/reports/planning/cdm_co2/cdm_co2.htm
Value applied:	0.7133
Purpose of the data:	Baseline Emissions
Any comment:	None

Data Unit / Parameter:	EF_{CM,y}
Data unit:	tCO ₂ e/MWh
Description:	Combined Margin Emission Factor of Southern Grid
Source of data:	“CO ₂ Baseline Database for Indian Power Sector” version 4 published by the Central Electricity Authority, Ministry of Power, Government of India. The “CO ₂ Baseline Database for Indian Power Sector” version 4 is available at http://www.cea.nic.in/reports/planning/cdm_co2/cdm_co2.htm
Value applied:	0.92694
Purpose of the data:	Baseline Emissions
Any comment:	None

3.2 Data and Parameters Monitored

Data Unit / Parameter:	EG, Export
Data unit:	MWh
Description:	Electricity exported to the grid by the project activity in year y
Source of data:	Electricity exported by the project activity to the grid as per JMR
Description of measurement methods and procedures to be applied:	The Energy generated at the wind farm will be metered and measured by TNEB on monthly basis at the sending end sub-station of the Wind Farm. The monitoring of ‘electricity exported to the grid’ would be as per the details provided in wheeling and banking agreement.
Frequency of	Monthly

monitoring/recording:	
Value monitored:	49692.788 MWh
Monitoring equipment:	Please refer section 3.3 for details
QA/QC procedures to be applied:	QA/QC procedures will be implemented pursuant to agreement with state electricity board. Please refer section 3.3 for details.
Calculation method:	The data is recorded.
Any comment:	The data is archived on paper as well as on electronic media; however the data will be kept for two years after the end of the crediting period or the last issuance of VCUs for this project activity, whichever occurs later.

Data Unit / Parameter:	EG, import
Data unit:	MWh
Description:	Electricity imported from the grid
Source of data:	Electricity imported by the project activity from the grid as per JMR.
Description of measurement methods and procedures to be applied:	The Energy generated at the wind farm will be metered and measured by TNEB on monthly basis at the sending end sub-station of the Wind Farm. The monitoring of 'electricity exported to the grid' would be as per the details provided in wheeling and banking agreement.
Frequency of monitoring/recording:	Monthly
Value monitored:	263.201 MWh
Monitoring equipment:	Please refer section 3.3 for details
QA/QC procedures to be applied:	QA/QC procedures will be implemented pursuant to agreement with state electricity board. Please refer section 3.3 for details.
Calculation method:	The data is recorded.
Any comment:	The data is archived on paper as well as on electronic media; however the data will be kept for two years after the end of the crediting period or the last issuance of VCUs for this project activity, whichever occurs later.

Data Unit / Parameter:	EG_y, net
Data unit:	MWh (Mega-watt hour)
Description:	Net electricity supplied to the grid by the Project
Source of data:	Calculated from EG,export and EG,import as (EG,export – EG,import)
Description of measurement methods and procedures to be applied:	Net electricity supplied to the grid will be calculated based on measured values. The Net electricity is recorded as following: (Net Electricity = Net Export – Net Import) The procedures for metering and meter reading will be

	as per the provisions of the wheeling and banking arrangement.
Frequency of monitoring/recording:	Monthly
Value monitored:	Net electricity is calculated as following: =49692.788 – 263.201 MWh =49429.587 MWh
Monitoring equipment:	This parameter is calculated.
QA/QC procedures to be applied:	QA/QC procedures will be implemented pursuant to wheeling and banking agreement.
Calculation method:	Net Electricity = Net Export – Net Import
Any comment:	

3.3 Description of the Monitoring Plan

The operational & monitoring structure is shown in the following figure

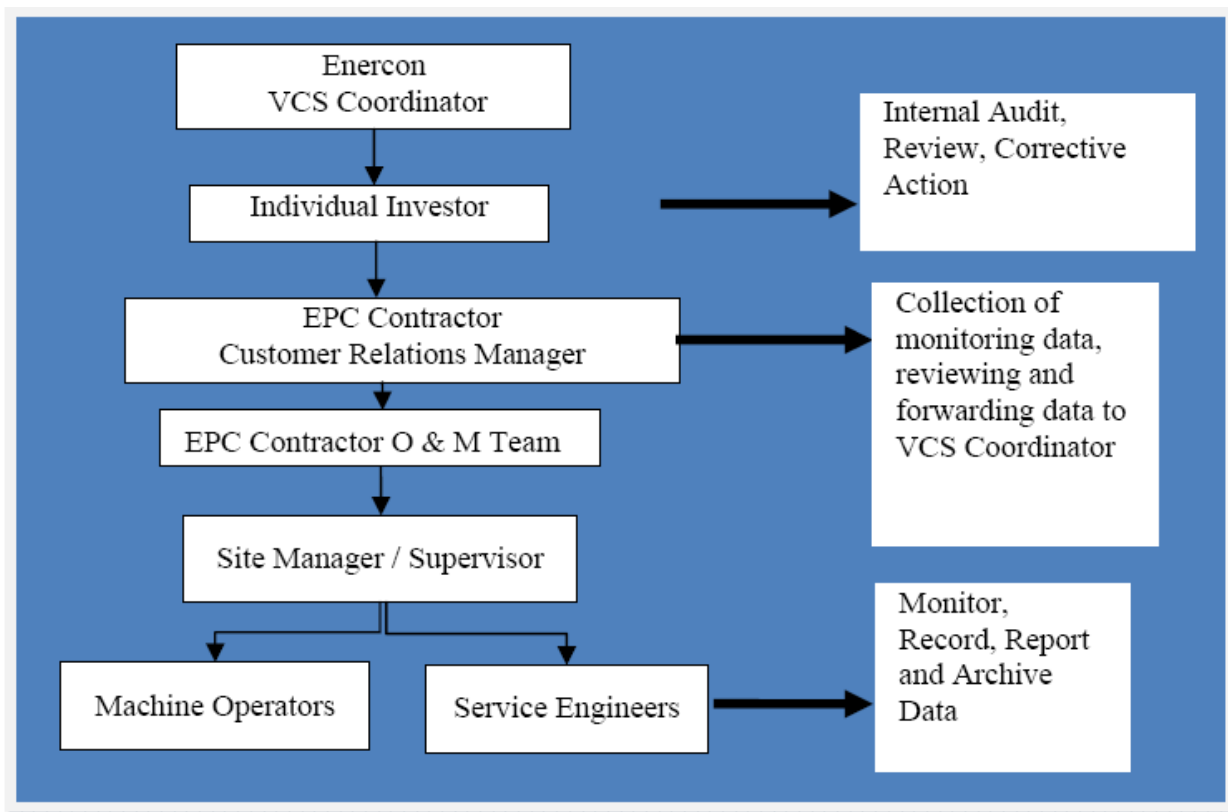
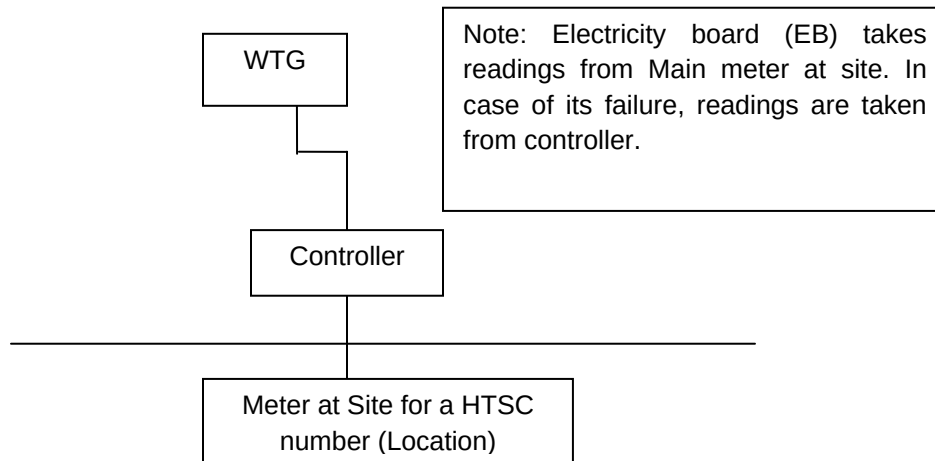


Diagram indicating Data collection leading to GHG calculation



Monitoring Information:

The general conditions set out for metering, recording, meter readings, meter inspections, Test & Checking and communication are as per the agreement with state electricity board .

Metering: Net electricity supplied to grid will be measured through meter readings of the two-way export meter installed by TNEB. The installed meters measure the electricity export and electricity import for each WEG or group of WEGs of the project which are designated by unique identification no. i.e. HT SC No. Project activity has the dedicated metering system and there are no other WEGs connected to the joint meters of the project activity.

Meter Readings: The monthly meter reading is taken jointly by the parties (EIL personals and personals of TNEB) for the last month. At the conclusion of each meter reading an appointed representative of TNEB and Enercon sign a document indicating the number of Kilowatt-hours (kWH) indicated by the meter.

Inspection of Energy Meters: The two-way export meter and all associated instruments, transformers installed at the project are of accuracy classes as mentioned below in table. The meter is jointly inspected and sealed on behalf of the parties and is not to be interfered with by either party except in the presence of the other party or its accredited representatives.

Meter Test Checking: The meter is tested for accuracy with reference to a portable standard meter. The portable standard meter is also owned by TNEB. The meter is deemed to be working satisfactorily if the errors are within specifications of accuracy classes. The consumption registered by the meter alone holds good for the purpose of metering electricity supplied to the grid as long as the error in the meter is within the permissible limits.

If during the meter test checking, the meter is found to be beyond permissible limits of error, the meter shall be immediately calibrated and the correction applied to the reading registered by the meter to arrive the correct reading of energy supplied for metering electricity supplied to the grid for the period from the last month's meter reading up to the current test. Meter reading for the period thereafter; till the next monthly reading shall be as per the calibrated meter.

Archiving of data: Data shall be archived for crediting period + 2 years.

Metering System:

A metering equipment is provided besides each location (HT SC No.) although other project proponents are also connected to the substation but individual metering of WEG's help in projecting accurate values of electricity exported. Since each HT SC No. has unique billing meter which is installed and owned by TNEB, hence there is no need of apportioning.

Metering Equipment: Metering equipment is electronic trivector meter of accuracy class as mentioned below in table . Dedicated core of both CT's and PT's of required accuracy is made available by the EIL to TNEB.

The meters are calibrated annually to ensure accuracy of data.

If during the tests, the meter is found to be beyond the permissible limits of error, the meter shall be immediately calibrated and the correction applied to the reading registered by the meter to arrive the correct reading of energy supplied for billing purposes for the period from the last month's meter reading up to the current test. Billing for the period thereafter till the next monthly reading shall be as per the calibrated meter

Training and maintenance:

Training on the machine is an essential pre-requisite, to ensure necessary safety of man and machine. Further, in order to maximize the output from the Wind Energy Converters (WECs), it is extremely essential, that the engineers and technicians understand the machines and keep them in good health. In order to ensure, that Enercon's service staff is deft at handling technical snags on top of the turbine, the necessity of ensuring that they are capable of climbing the tower with absolute ease and comfort has been established. The Enercon Training Academy provides need-based training to meet the training requirements of Enercon projects. The training is contemporary, which results in imparting focused knowledge leading to value addition to the attitude and skills of all trainees. This ultimately leads to creativity in problem solving.

Calibration Details:

The metering equipments were inspected & calibrated by state utility. The meters installed at the wind farm are as per TNEB guidelines and accuracy level. The meters are checked for accuracy on a regular basis as per the VCS PD which says that the calibration of meters has to be performed at least once in calendar year. TNEB meter testing is done by a separate division of electricity board, which takes care of meter testing in the event of any abnormality observed:

The meter calibration details are presented below:

S. No.	Name of Customers	HTSC No.	Type	Meter No.	Past Calibration	Recent Calibration	Accuracy Class
1	Premier Spg & Wvg Mills Pvt Ltd	D47	ELSTER	04863754	12-Oct-10	28-Jan-12	0.5s
2	Premier Spg & Wvg Mills Pvt Ltd	D49	ELSTER	04890022	12-Oct-10	28-Jan-12	0.5s
3	Premier Spg & Wvg Mills Pvt Ltd	D52	SECURE	TN902732	12-Oct-10	9-Dec-11	0.2s
4	Premier Spg & Wvg Mills Pvt Ltd	D54	ELSTER	04865534	12-Oct-10	28-Jan-12	0.5s

S. No.	Name of Customers	HTSC No.	Type	Meter No.	Past Calibration	Recent Calibration	Accuracy Class
5	Premier Spg & Wvg Mills Pvt Ltd	D79	ELSTER	04865507	12-Oct-10	28-Jan-12	0.5s
6	Premier Spg & Wvg Mills Pvt Ltd	D80	SECURE	TNB02400	12-Oct-10	28-Jan-12	0.5s
7	Premier Spg & Wvg Mills Pvt Ltd	D81	ELSTER	04865535	12-Oct-10	28-Jan-12	0.5s
8	Premier Spg & Wvg Mills Pvt Ltd	D82	ELSTER	04865504	12-Oct-10	27-Jan-12	0.5s
9	Premier Spg & Wvg Mills Pvt Ltd	D83	ELSTER	04865503	12-Oct-10	27-Jan-12	0.5s
10	Premier Spg & Wvg Mills Pvt Ltd	D84	ELSTER	04865505	12-Oct-10	27-Jan-12	0.5s
11	Premier Fine Yarns Pvt Ltd	D26	SECURE	TN902742	12-Oct-10	22-Nov-11	0.2s
12	Premier Fine Yarns Pvt Ltd	D27	ELSTER	04865401	12-Oct-10	27-Jan-12	0.5s
13	Premier Fine Yarns Pvt Ltd	D28	L&T	10287910	12-Oct-10	27-Jan-12	0.5s
14	Premier Fine Yarns Pvt Ltd	D29	WALLAB Y	HT5100083	12-Oct-10	27-Jan-12	0.5s
15	Premier Fine Yarns Pvt Ltd	D30	WALLAB Y	HT5110137	12-Oct-10	27-Jan-12	0.5s
16	Premier Fine Yarns Pvt Ltd	D30	WALLAB Y	HT5110137	12-Oct-10	27-Jan-12	0.5s
17	Premier Fine Yarns Pvt Ltd	D32	ELSTER	04863757	12-Oct-10	27-Jan-12	0.5s
18	Premier Fine Yarns Pvt Ltd	D32	ELSTER	04863757	12-Oct-10	27-Jan-12	0.5s
19	Premier Fine Yarns Pvt Ltd	D33	ELSTER	04863762	12-Oct-10	27-Jan-12	0.5s
20	Premier Fine Yarns Pvt Ltd	D34	ELSTER	04865400	12-Oct-10	27-Jan-12	0.5s
21	Coimbatore Twisted (Premier Mills)	D37	ELSTER	04863761	18-Oct-10	27-Jan-12	0.5s
22	Coimbatore Polytex (Premier Mills)	D38	ELSTER	04865383	18-Oct-10	27-Jan-12	0.5s

S. No.	Name of Customers	HTSC No.	Type	Meter No.	Past Calibration	Recent Calibration	Accuracy Class
23	Coimbatore Polytex (Premier Mills)	D43	ELSTER	04865533	18-Oct-10	27-Jan-12	0.5s
24	Coimbatore Polytex (Premier Mills)	D43	ELSTER	04865533	18-Oct-10	27-Jan-12	0.5s
25	Coimbatore Polytex (Premier Mills)	D44	ELSTER	04865526	18-Oct-10	27-Jan-12	0.5s
26	Coimbatore Polytex (Premier Mills)	D45	ELSTER	04865528	18-Oct-10	27-Jan-12	0.5s
27	Coimbatore Polytex (Premier Mills)	D68	ELSTER	04865501	18-Oct-10	28-Jan-12	0.5s
28	Coimbatore Polytex (Premier Mills)	D73	ELSTER	04959599	18-Oct-10	28-Jan-12	0.5s
29	Coimbatore Polytex (Premier Mills)	D74	ELSTER	04865530	18-Oct-10	27-Jan-12	0.5s
30	Coimbatore Polytex (Premier Mills)	D75	SECURE	TN901783	18-Oct-10	18-Oct-11	0.2s
31	Coimbatore Polytex (Premier Mills)	D78	WALLAB Y	208320441	18-Oct-10	28-Jan-12	0.5s
32	Bannari Amman Spinning Mills	1,067	ELSTER	04721986	9-Oct-10	25-Jan-12	0.5s
33	Bannari Amman Spinning Mills	1,068	SECURE	TN900964	6-Oct-10	25-Jan-12	0.5s
34	Bannari Amman Spinning Mills	1,069	ELSTER	04725673	6-Oct-10	25-Jan-12	0.5s
35	Bannari Amman Spinning Mills	1,070	ELSTER	04725674	9-Oct-10	25-Jan-12	0.5s
36	Bannari Amman Spinning Mills	1,070	ELSTER	04725674	9-Oct-10	25-Jan-12	0.5s
37	Bannari Amman Spinning Mills	1,071	ELSTER	02373937	9-Oct-10	25-Jan-12	0.5s
38	Bannari Amman Spinning Mills	1,072	ELSTER	04721860	9-Oct-10	25-Jan-12	0.5s
39	Bannari Amman Spinning Mills	1,072	ELSTER	04721860	9-Oct-10	25-Jan-12	0.5s
40	Bannari Amman Spinning Mills	1,073	SECURE	TN902837	9-Oct-10	25-Nov-11	0.2s
41	Bannari Amman Spinning Mills	1,077	ELSTER	04721982	6-Oct-10	25-Jan-12	0.5s

S. No.	Name of Customers	HTSC No.	Type	Meter No.	Past Calibration	Recent Calibration	Accuracy Class
42	Bannari Amman Spinning Mills	1,077	ELSTER	04721982	6-Oct-10	25-Jan-12	0.5s
43	Bannari Amman Spinning Mills	1,086	ELSTER	04725696	6-Oct-10	25-Jan-12	0.5s
44	Bannari Amman Spinning Mills	1,106	ELSTER	04726631	9-Oct-10	25-Jan-12	0.5s
45	Bannari Amman Spinning Mills	1,106	ELSTER	04726631	9-Oct-10	25-Jan-12	0.5s

Meter Change details are as follows:

Name of Customers	HTSC No.	Old Meter no.	New Meter No.	Meter change date	Reference document
Premier Fine Yarns Pvt Ltd	D26	04865399	TN902742	22-Nov-11	EE/WFP/AEE/MRT/Udt/F.WFSC.NO D 26/D.NO.:2962/11, Date:02/12/11
Premier Fine Yarns Pvt Ltd	D28	04865402	10287910	18-Mar-11	EE/WFP/AEE/MRT/Udt/F.WFSC.NO D 28/D.NO.:414/11, Date:23/03/11
Premier Fine Yarns Pvt Ltd	D30	04863758	HT5110137	26-Apr-11	EE/WFP/AEE/MRT/Udt/F.WFSC.NO D 30/D.NO.:1250/11, Date:20/05/11
Premier Spg & Wvg Mills Pvt Ltd	D52	04863759	TN902732	9-Dec-11	EE/WFP/AEE/MRT/Udt/F.WFSC.NO D 52/D.NO.:3002/11, Date:19/12/11
Coimbatore Polytex (Premier Mills)	D75	04865531	TN901783	18-Oct-11	EE/WFP/AEE/MRT/Udt/F.WFSC.NO D 75/D.NO.:2755/11, Date:22/10/11
Bannari Amman Spinning Mills	1,068	TNB02327	TN900964	6-Nov-10	EE/WFP/AEE/MRT/Udt/F.WFSC.NO U 1068/D.NO.:3060/10, Date:19/11/10
Bannari Amman Spinning Mills	1,073	4721859	TN902837	25-Nov-11	EE/WFP/AEE/MRT/Udt/F.WFSC.NO U 1073/D.NO.:2960/11, Date:02/12/11

As there was delay in calibration as shown above, the correction factors has been applied conservatively as follows:

For customers from serial no. 1 to 45 in above table	Correction applied in months of Oct-10 to Nov-10 and Oct-11 to Nov-11
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4 QUANTIFICATION OF GHG EMISSION REDUCTIONS AND REMOVALS

4.1 Baseline Emissions

The baseline is the kWh produced by the renewable generating unit multiplied by an emission coefficient (measured in kg CO₂e/kWh) calculated in a transparent and conservative manner as the weighted average emissions (in kg CO₂e/kWh) as described in registered PDD.

$$BE_y = EG_y * EF_y$$

Where,

BE is baseline emissions in year y, tCO₂e

EG_y is the net electricity supplied to the grid in year y and is applied directly from JMR certified by state utility. This value can also be cross checked from the invoice.

EF_y is the CO₂ emission factor of the grid (0.92694 tCO₂e/MWh fixed ex-ante).

Emission reduction calculation for the current monitoring period is

$$\begin{aligned} \text{Emission Reductions (ER)} &= 49429587 \text{ (Kwh)} * 0.92694 \text{ (tCO}_2\text{/MWh)} / 10^3 \\ &= 45813 \text{ tCO}_2 \end{aligned}$$

S. No.	Name of Customers	Capacity (MW)	Baseline Emission Factor (tCO ₂ /MWh)	Baseline Emissions (BE _y) (Oct 2010 - Dec 2010)	Baseline Emissions (BE _y) (Jan 2011 - Nov 2011)
1	Premier Spg & Wvg Mills Pvt	8.0	0.92694	1560	11306
2	Premier Fine Yarns Pvt Ltd	8.0	0.92694	1498	10867
3	Coimbatore Twisted (Premier Mills)	0.8	0.92694	157	1281
4	Coimbatore Polytex (Premier Mills)	8.0	0.92694	1377	11228
5	Bannari Amman Spinning	11.2	0.92694	2949	3590
	Total	36.0		7,541	38,272

4.2 Project Emissions

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

4.3 Leakage

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

4.4 Summary of GHG Emission Reductions and Removals

Total baseline emissions: 45813 tCO₂

Total project emissions: Zero

Total leakage: Zero

Total Emission reductions, ER = BE_y – PE_y - LE_y

= 45813 – 0-0

= 45813 tCO₂

The total emission reductions achieved during the monitoring period is 45813 tCO₂.

S. No.	Name of Customers	Baseline Emissions (BEy) (Oct 2010 - Dec 2010)	Baseline Emissions (BEy) (Jan 2011 - Nov 2011)	Project Emission (PEy)	Leakage (LEy)	Total Emission reduction
1	Premier Spg & Wvg Mills Pvt Ltd	1560	11306	0	0	12866
2	Premier Fine Yarns Pvt Ltd	1498	10867	0	0	12365
3	Coimbatore Twisted (Premier Mills)	157	1281	0	0	1438
4	Coimbatore Polytex (Premier Mills)	1377	11228	0	0	12605
5	Bannari Amman Spinning Mills	2949	3590	0	0	6539
	Total	7,541	38,272	-	-	45,813

5 ADDITIONAL INFORMATION

(a). The subproject of Bannari Amman Spinning Mills as detailed below was registered as CDM project on 17th June 2011 (<http://cdm.unfccc.int/Projects/DB/SIRIM1306929016.84/view>). Thus in current monitoring period, the VCUs has been considered up to 16th June 2011 only.

S. No.	Name of Customers	Machine Model	M/C Capacity (kW)	HTHC No.	Commissioning Date	No. of M/C	Capacity (MW)	Site	District	State
1	Bannari Amman Spinning Mills	E-48	800	1067	17-Jan-06	14	11.2	Chinnakkampalayam	Erode	Tamil Nadu
2	Bannari Amman Spinning Mills	E-48	800	1068	17-Jan-06			Chinnakkampalayam	Erode	Tamil Nadu
3	Bannari Amman Spinning Mills	E-48	800	1069	17-Jan-06			Chinnakkampalayam	Erode	Tamil Nadu
4	Bannari Amman Spinning Mills	E-48	800	1070	17-Jan-06			Chinnakkampalayam	Erode	Tamil Nadu
5	Bannari Amman Spinning Mills	E-48	800	1070	17-Jan-06			Chinnakkampalayam	Erode	Tamil Nadu
6	Bannari Amman Spinning Mills	E-48	800	1071	17-Jan-06			Chinnakkampalayam	Erode	Tamil Nadu
7	Bannari Amman Spinning Mills	E-48	800	1072	17-Jan-06			Chinnakkampalayam	Erode	Tamil Nadu
8	Bannari Amman Spinning Mills	E-48	800	1072	17-Jan-06			Chinnakkampalayam	Erode	Tamil Nadu
9	Bannari Amman Spinning Mills	E-48	800	1073	17-Jan-06			Chinnakkampalayam	Erode	Tamil Nadu
10	Bannari Amman Spinning Mills	E-48	800	1077	1-Feb-06			Chinnakkampalayam	Erode	Tamil Nadu
11	Bannari Amman Spinning Mills	E-48	800	1077	1-Feb-06			Chinnakkampalayam	Erode	Tamil Nadu
12	Bannari Amman Spinning Mills	E-48	800	1086	8-Feb-06			Chinnakkampalayam	Erode	Tamil Nadu
13	Bannari Amman Spinning Mills	E-48	800	1106	8-Mar-06			Chinnakkampalayam	Erode	Tamil Nadu
14	Bannari Amman Spinning Mills	E-48	800	1106	8-Mar-06			Chinnakkampalayam	Erode	Tamil Nadu
	Total					14	11.2			

(b). Current monitoring period for customers are as follows:

S.no.	Name of the customers	Duration of monitoring period	
		From	To
1	Premier Spg & Wvg Mills Pvt Ltd	16-Sep-10	15-Nov-11
2	Premier Fine Yarns Pvt Ltd	16-Sep-10	15-Nov-11
3	Coimbatore Twisted (Premier Mills)	16-Sep-10	15-Nov-11

4	Coimbatore Polytex (Premier Mills)	16-Sep-10	15-Nov-11
5	Bannari Amman Spinning Mills	16-Sep-10	16-Jun-11 ¹

(c). For the monitoring period under consideration, the PLF of the project activity comes out to be within the sensitivity range of project additionality.

Ex-ante PLF as per VCS PDD annually	Actual PLF during Monitoring Period annually
23.86%	15.80%

¹ The project of investor Bannari Amman Spinning Mills was registered as CDM project on 17th June 2011. Thus the VCS monitoring period considers the benefits up to 16th June 2011 only. Also, as per the billing cycle, the last bill was raised up to 7th June and the investor decided to forego the VCS benefits between 8th June 2011 to 16th June 2011.