

MONITORING REPORT

Bundled Wind Power Project in Tamilnadu, India,
co-ordinated by Tamilnadu Spinning Mills Association
(TASMA V1A)



Project Title	Bundled Wind Power Project in Tamilnadu, India, co-ordinated by Tamilnadu Spinning Mills Association (TASMA V1A)
Version	Version 03
Report ID	-
Date of Issue	30-October-2014
Project ID	1352
Monitoring Period	02-April-2008 to 31-December-2013 (both days inclusive)
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1. PROJECT DETAILS

1.1 Summary Description of the Implementation Status of the Project

The project activity is the bundling of **84** Wind Turbine Generators (WTGs) sponsored by 69 individual investors aggregating to a total installed capacity of **48.1 MW**. All these WTGs are spread in the entire State of Tamilnadu, India and the bundling activity is undertaken by Tamilnadu Spinning Mills Association (TASMA). All these WTGs are commissioned and connected to the Southern Regional Grid, India.

The intent of the Project Activity is to reduce GHG emissions and promote sustainable development by use of renewable energy (Wind) for generation of power by bringing together a number of investors with small power requirements to invest into wind turbines. In the absence of the project activity, the equivalent amount of electricity would have been generated by the power plants connected with the southern grid which is predominantly based on fossil fuel.

1.2 Sectoral Scope and Project Type

The information on the Category of the Project and possibility of the sector has mentioned as below

Sectoral Scope: 01

Project Type & category: *The project activity uses approved consolidated baseline and monitoring methodology: ACM0002.*

Title: *“Consolidated Baseline Methodology for grid connected electricity generation from renewable sources”, Version 10*

Whether the project is a grouped project- No

1.3 Project Proponent

Contact Information of the project proponent

Organization:	Tamilnadu Spinning Mills Association (TASMA)
Street/P.O.Box:	No. 2, Karur Road (Near Beschi College), Modern Nagar,
Building:	-
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Department:	All
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Direct FAX:	+91 451 2433637

Direct tel:	+91 451 6454666
Personal-Mail:	kvmasterminds@gmail.com

1.4 Other Entities Involved in the Project

No other entities are involved in developing the project

1.5 Project Start Date

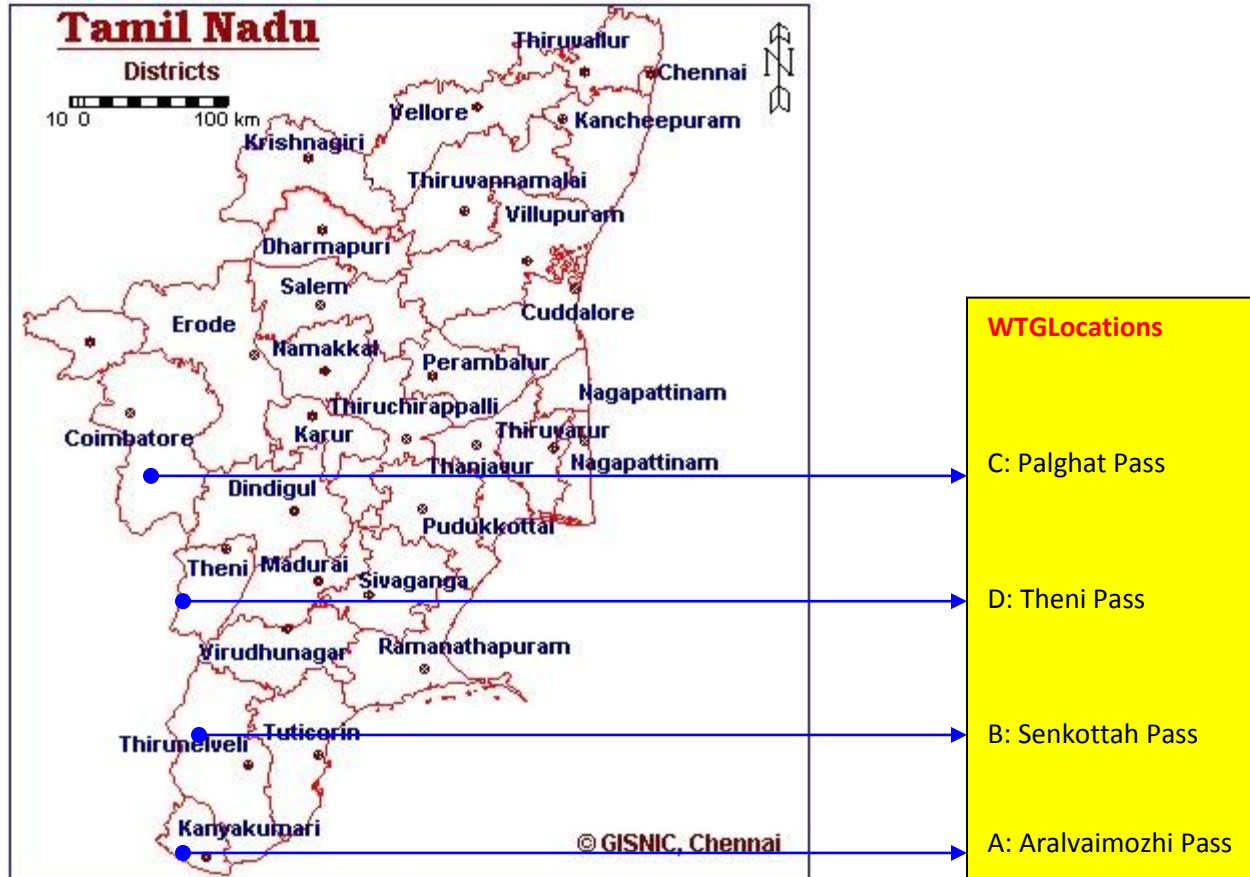
The starting date of the project activity is 02nd April 2008. (Based on the earliest commissioning date of all the Wind Turbines in the group)

1.6 Project Crediting Period

Crediting Period Start Date : 02/04/2008
Crediting Period End Date : 01/04/2018
Total Number of Years : 10 Years

1.7 Project Location

The project activity is consisting of 84 Wind Turbine Generators (WTGs) installed in four different passes (Aralvaimozhi, Senkottah, Palghat and Theni passes) located in the State of Tamilnadu, India. The map below shows the geographical location of the project sites. All these sites are identified as potential locations for the wind electricity generation by the Ministry of New and Renewable Energy (MNRE), Govt. of India. The details of the individual WTGs under the project activity like Capacity, unique High Tension Service Connection (HTSC) number and Global Positioning System are presented in Appendix- 1 at the end of this monitoring report.



1.8 Title and Reference of Methodology

The project activity uses approved consolidated baseline and monitoring methodology: **ACM0002**

Title: ***“Consolidated Baseline Methodology for grid connected electricity generation from renewable sources”, Version 10”***

Sectoral scope : **01**

1.9 Other Programs

The project activity has never been rejected under any other GHG program. However, it is seeking registration under CDM. However, VCU revenues will be considered only for the period during which no CDM/CER benefits are claimed.

2 IMPLEMENTATION STATUS

2.1 Implementation Status of the Project Activity

The project activity consists of 84 Wind Turbine Generators sponsored by 69 individual investors accumulating to a total capacity of 48.1 MW in the State of Tamilnadu. All these WTGs are commissioned and connected to the Southern Regional Grid, India. The details of the WEGs installed in the project activity are given in the Appendix. The project activity generates power by using the kinetic energy of wind.

thus resulting in zero emissions during electricity production. The electricity thus generated is being used in one of the following manners:

1. Export the entire energy to the southern grid
(Or)
2. Wheel the required energy for captive consumption and banking the surplus energy or exporting the surplus energy to the grid.

The power produced from the project thus displaces an equivalent amount of power generated through fossil fuel based power generation sources. Hence, it results in the reduction of GHG emissions in electricity generation.

The project activity is commissioned as described in the project description document and the project is also continuing its operations except some routine maintenance and breakdown of the WEGs. There are no major events that may impact the GHG emission reductions or removals and monitoring during the current monitoring period. The details of the WEGs are as presented in the Appendix.

Technology:

Wind energy generation is a clean technology for production of electricity, with no emission of Green House Gases. The project activity has employed Horizontal Axis WTGs of different capacities. All the WTGs deployed in the project activity are from well-known international manufacturers. All these machines are type tested and approved by the Ministry of New and Renewable Energy (MNRE), Government of India.

2.2 Deviations

2.2.1 Methodology Deviations

There is no deviation for this monitoring period.

2.2.2 Project Description Deviations

Project Deviation 1:

The initial commissioning date of the WTGs is considered as the initial calibration date of the energy meters, which is in line with the registered monitoring plan. Further, these meters are certified as factory calibrated by the manufacturer and are installed by the regulatory authority (TNEB/TANGEDCO) as per the requirements in the power purchase agreements. The project deviation relates that if the meters are commissioned and the initial calibration is done by the manufacturer, the validity of the calibration, up to a period of five years in the subsequent monitoring periods can be cross checked by verification of the monthly invoices raised by the PP for the electricity generation, which is indicative of the accurate functioning of the energy meters as the invoices are based on the joint meter readings, agreed by the PP and the regulatory authority. The validity of calibration for a period of five years is in line with the registered monitoring plan and CEA guidelines, 2006.

2.3 Grouped Project

The project activity is a not a grouped project

3 DATA AND PARAMETERS

3.1 Data and Parameters Available at Validation

Data / Parameter	Grid emission factor for Southern Grid
Data unit	tCO ₂ /MWh
Description	Grid emission factor of the project activity
Source of data	CEA database version 5.0
Value applied:	0.94515 tCO ₂ /MWh
Justification of choice of data or description of measurement methods and procedures applied	The grid emission factor (EF _{grid}) was calculated from the operating margin (OM) CO ₂ emission factor and build margin (BM) CO ₂ emission factor, referenced from "CO ₂ Baseline Database for Indian Power Sector" Version 5 by Central Electricity Authority (CEA). The weighting of operating margin emission factor and weighting of build margin emission factor are 0.75 and 0.25, respectively. The calculation of OM and BM is as per the version 2.0 of "Tool to calculate Emission Factor for an Electricity System."
Purpose of the data	Baseline emission calculation.
Comments	

Data / Parameter	Operating Margin emission factor of southern grid
Data unit	tCO ₂ /MWh
Description	Operating Margin emission factor of southern grid
Source of data	CEA database version 5.0
Value applied:	0.98756 tCO ₂ /MWh
Justification of choice of data or description of measurement methods and procedures applied	The Operating Margin emission factor was, referenced from "CO ₂ Baseline Database for Indian Power Sector" Version 5 by Central Electricity Authority (CEA). The calculation of OM and BM is as per the version 2.0 of "Tool to calculate Emission Factor for an Electricity System."
Purpose of the data	Baseline emission calculation.
Comments	Nil

Data / Parameter	Build Margin emission factor of southern grid
Data unit	tCO ₂ /MWh
Description	Grid emission factor of the project activity
Source of data	CEA database version 5.0
Value applied:	0.81792 tCO ₂ /MWh
Justification of choice of data or description of measurement methods and procedures applied	The Build Margin emission factor was, referenced from "CO ₂ Baseline Database for Indian Power Sector" Version 5 by Central Electricity Authority (CEA). The calculation of OM and BM is as per the version 2.0 of "Tool to calculate Emission

	Factor for an Electricity System.
Purpose of the data	Baseline emission calculation.
Comments	Nil

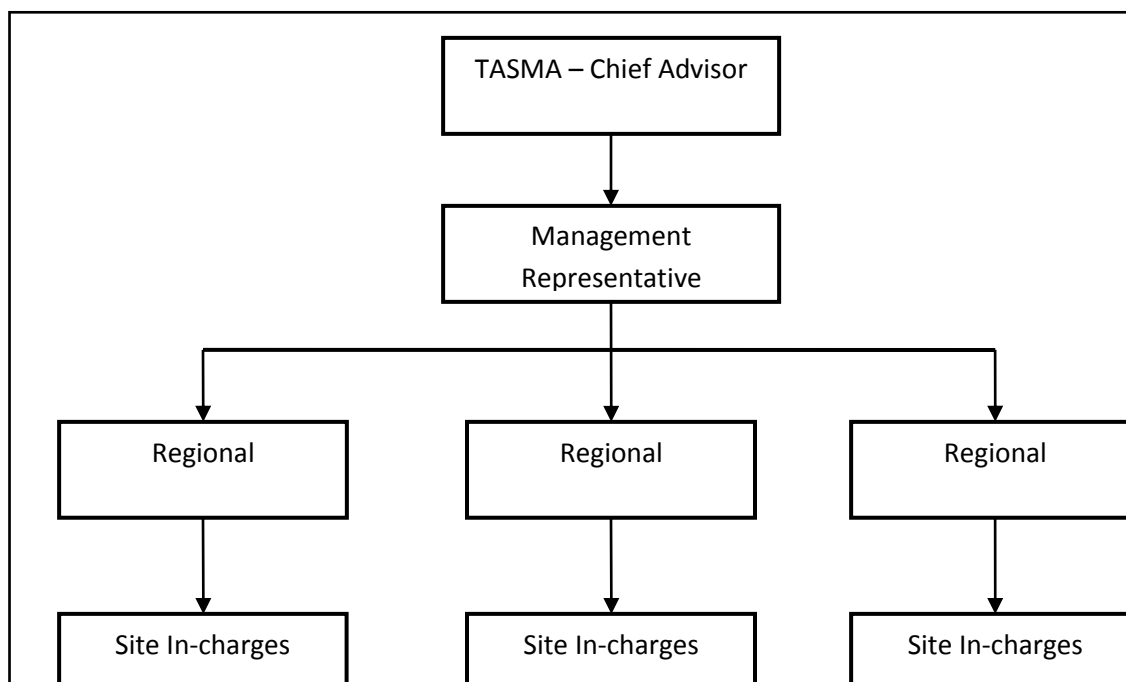
3.2 Data and Parameters Monitored

Data / Parameter	EGy																		
Data unit	MWh																		
Description	Net electricity supplied to the grid																		
Source of data	TANGEDCO statement																		
Description of measurement methods and procedures to be applied	Measured by Energy Meters which is not inferior to that of 0.5S accuracy Class Net generation = (Total Export – Total Import) Certified by TANGEDCO Statement / Meter Card Reading / JMRs Monthly Measurement by TANGEDCO.																		
Frequency of monitoring/recording	Continuous measurement and monthly recording																		
Value monitored:	<table><tr><th>Year</th><th>Value in MWh</th></tr><tr><td>2008</td><td>9119.187</td></tr><tr><td>2009</td><td>66987.251</td></tr><tr><td>2010</td><td>96072.623</td></tr><tr><td>2011</td><td>102702.428</td></tr><tr><td>2012</td><td>98588.584</td></tr><tr><td>2013</td><td>99999.598</td></tr><tr><td>Total</td><td>473469.671</td></tr></table>	Year	Value in MWh	2008	9119.187	2009	66987.251	2010	96072.623	2011	102702.428	2012	98588.584	2013	99999.598	Total	473469.671		
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Total	473469.671																		
Monitoring equipment	Measured by Energy Meters (Electronic meter) which is not inferior to that of 0.5S accuracy Class;																		
QA/QC procedures to be applied	QA/QC of Monitoring Equipment Calibration procedure: Energy meters are calibrated by the TANGEDCO as per the guidelines provided by CEA (Central Electricity Authority (Installation and Operation of Meters) Regulations, 2006. Calibration frequency: Once in five years At the time of commissioning of the WTG, calibrated and duly tested meter is installed for measuring the electricity and first calibration will be done after five years from the date of commissioning of the WTG In the absence of the implementation of periodic calibration, the energy meters are subjected to CEA guidelines applicable to India, dated 17-03-2006 which state that “All interface meters shall be tested at least once in five years. These meters shall also be tested																		

	whenever the energy and other quantities recorded by the meter are abnormal or inconsistent with electrically adjacent meters. Whenever there is unreasonable difference between the quantity recorded by interface meter and the corresponding value monitored at the billing center via communication network, the communication system and terminal equipment shall be tested and rectified.” As per this guideline, in line with the registered PD, the validity of the calibration certificates for all the WTGs are indicated in Appendix I of the Monitoring report
Purpose of the data	Calculation of baseline emissions
Calculation method	Net generation = (Total Export – Total Import)
Comments	Nil

3.3 Monitoring Plan

The monitoring activity will be centrally executed by TASMA. The organization for monitoring will be as follows:



The responsibilities of Management structure are

1. TASMA:
 - a. Reviewing the monthly and annual statistics.
 - b. Evaluating the GHG performance of the project activity.

c. Identify opportunities for further improvement.

2. Regional representative:

- Reviewing the GHG performance related parameters as recorded by the Site In-Charge regularly.
- Implementation of appropriate corrective measures in case any discrepancies are identified in the reported parameters.
- Ensuring calibration of the monitoring equipments as per the defined calibration schedule

3. Site In-charge:

- The Site In-charge (O&M Service provider/Company personnel) besides operation and maintenance of the wind turbine generators will record monthly energy meter reading jointly with TNEB officials and submits the generation Statement to the Tasma as and when called for.

The **Metering** for WTGs of the project activity is carried out as under:

The monthly meter reading is being taken jointly by the Parties (TNEB/TANGEDCO and the Site In-charge) on a fixed day of the month. Electricity generated by the WTGs are monitored by individual energy meters, except for the two sub projects Ambica cotton mills limited (two WTGs) and SRG Apparels Pvt. Ltd (two WTGs) where two WTGs are connected to a single meter and are identified by HTSC no 183 and 2618 respectively. Of 84 WTGs in the project activity, the electricity is monitored by means of 82 energy meters. The metering details of each sub projects are presented in appendix 1. At the conclusion of meter reading on each occasion, an appointed representative of the TNEB/TANGEDCO shall sign the meter card provided for this purpose and the entries made is verified by the site in-charges. The TNEB/TANGEDCO meter reading is used for recording electricity generation and the same is sealed by TNEB/TANGEDCO and shall not be interfered other than TNEB/TANGEDCO personnel. Emission reduction calculation is based on the Generation Statement issued by TNEB/TANGEDCO.

4 QUANTIFICATION OF GHG EMISSION REDUCTIONS AND REMOVALS

4.1 Baseline Emissions

Baseline emissions calculated are summarized as below.

Base Line Emissions: (BE_y)

According to the validated PD, Baseline Emission is calculated by the following formula.

$$BE_y = EG_y * EF_y$$

Baseline emission factor (combined margin)

$$\begin{aligned} EF_y \text{ (tCO}_2\text{e/MWh)} &= w_{OM} * EF_{OM,y} \text{ (tCO}_2\text{e/MWh)} + w_{BM} * EF_{BM,y} \text{ (tCO}_2\text{e/MWh)} \\ &= (0.75 * 0.98756) + (0.25 * 0.81792) \\ &= 0.94515 \text{ t CO}_2\text{e/MWh} \end{aligned}$$

EG_y = Electricity supplied by the project activity to the Grid (MWh)

4.2 Project Emissions

According to the validated PD, there is no project emission for grid connected wind based power generation. Hence, in this case it is considered as

$$PE_y = 0 \text{ tCO}_2/\text{year}$$

Where, PE_y - Project Emission for the year

4.3 Leakage

There is no leakage involved in the project activity.

$$\text{Hence, } L_y = 0 \text{ tCO}_2/\text{year}$$

4.4 Net GHG Emission Reductions and Removals

For a given year, the emission reductions contributed by the project activity (ER_y) is calculated and tabulated in the table as follows:

$$ER_y = BE_y - PE_y - L_y$$

Where,

- ER_y = Emission reductions for the year
- BE_y = Baseline Emissions for the year
- PE_y = Project Emissions for the year
- L_y = Leakage for the year

Year	Baseline emissions or removals (tCO ₂ e)	Project emissions or removals (tCO ₂ e)	Leakage emissions (tCO ₂ e)	Net GHG emission reductions or removals (tCO ₂ e)
2008	8619	0	0	8619
2009	63313	0	0	63313
2010	90803	0	0	90803
2011	97069	0	0	97069
2012	93181	0	0	93181
2013	94515	0	0	94515
Total	447500	0	0	447500

The reason for the difference in estimated and actual Emission Reductions, are due to the following factors which cannot be anticipated by the PP more accurately.

1. Wind availability
2. Wind Speed
3. Grid availability
4. Machine availability

However, from the above table, it is clear that the net difference is well within the limits and hence, no adverse effect is found.

APPENDIX I: DETAILS OF SUB-PROJECT PARTICIPANTS, ENERGY METERS AND CALIBRATION

S. NO	COMP ANY CODE	NAME OF THE COMPANY	CAPACI TY (In kW)	HTSC NO	COMMISSI ONING DATE ¹	METER MAKE	METER SERIAL NO.	CALIBRATIO N VALIDITY (BASED ON CEA 2006)	DUE CALIBRATION CERTIFICATE (NA = NOT APPLICABLE)	LATITUD E (N)	LONGIT UDE (E)
1	A1	Ambika Cotton Mills Limited.,	800	183	9-Jan-2009	L & T	10267843	8-Jan-14	NA	11.73	76.65
2	A1	Ambika Cotton Mills Limited.,	800	183	9-Jan-2009	L & T	10267843	8-Jan-14	NA	11.73	76.69
3	A2	Bright Castings	600	2651	8-Aug-2008	Premier	TN 903124	7-Aug-13	Provided	9.00	77.42
4	A3	Concorde Agencies	225	2675	25-Sep-2008	Elster	4954276	24-Sep-13	Provided	8.99	77.42
5	A4	Concorde Textiles	225	2628	21-May-2008	Premier	TNB 02879	20-May-13	Provided	8.99	77.42
6	A4	Concorde Textiles	225	2621	30-Apr-2008	Premier	TNB 02870	29-Apr-13	Provided	8.99	77.41
7	A5	Hemalatha Mills Pvt. Ltd.,	225	774	30-Sep-2008	Secure	TNB 03244	29-Sep-13	Provided	10.94	77.23
8	A7	Pavathal Spinning Mills	250	1545	19-Sep-	Secure	TN9	18-Sep-13	Provided	10.77	77.41

¹ Initially installed energy meters are factory tested and calibrated on the date of commissioning of the WTGs

		Pvt. Ltd.,			2008		01987				
9	A9	Santhi Casting Works	600	2612	9-Apr-2008	Premier	TNB 02796	8-Apr-13	Provided	8.24	77.60
10	A12	SRG Apparels Pvt. Ltd.,	250	2618	26-Apr-2008	Wallaby	HT 4110044	25-Apr-13	Provided	8.28	77.62
11	A12	SRG Apparels Pvt. Ltd.,	250	2618	26-Apr-2008	Wallaby	HT 4110044	25-Apr-13	Provided	8.28	77.60
12	A13	Shri Dhanalakshmi Spintex Pvt. Ltd.,	600	2620	29-Apr-2008	L & T	12092067	28-Apr-13	Provided	8.24	77.64
13	A13	Shri Dhanalakshmi Spintex Pvt. Ltd.,	600	2630	23-May-2008	L & T	12092107	22-May-13	Provided	8.25	77.62
14	A13	Shri Dhanalakshmi Spintex Pvt. Ltd.,	600	2638	16-Jun-2008	L & T	12092143	15-Jun-13	Provided	8.23	77.63
15	A14	Thangamman Process	250	113	10-Apr-2008	Elster	4938224	9-Apr-13	Provided	10.90	77.17
16	A19	JM Agro Wind Energy Pvt. Ltd.,	250	606	2-Apr-2008	Wallaby	HT 02120325	1-Apr-13	Provided	10.94	77.25
17	B1	Associated Autotex Ancillaries Pvt. Ltd.,	800	164	27-Sep-2008	Wallaby	HT 5100357	26-Sep-13	Provided	10.58	77.44

18	B2	Auto Coats	800	172	30-Sep-2008	Secure	TNB 03369	29-Sep-13	Provided	10.58	77.44
19	B3	Doller Industries Ltd.,	1250	2688	27-Sep-2008	Premier	TN9 01704	26-Sep-13	Provided	8.16	77.45
20	B4	KG Entertainment Company (P) Ltd.,	1250	1546	20-Sep-2008	Elster	4954304	19-Sep-13	Provided	10.74	77.43
21	B5	Narasu's Saarathy Enterprises Pvt. Ltd.,	800	161	12-Sep-2008	L&T	12092162	11-Sep-13	Provided	10.57	77.44
22	B6	Sushrushah Medicare Centre Pvt. Ltd.,	250	2793	28-Mar-2009	L&T	9593464	27-Mar-14	NA	8.22	77.60
23	C0001	A. Duraisamy Modern Rice Mill	225	1677	6-Jul-2009	Elster	5017153	5-Jul-14	NA	10.76	77.39
24	C0004	Ahill Knit Exports	250	1615	21-Mar-2009	Secure	TNB 03405	20-Mar-14	NA	10.78	77.40
25	C0008	Archana Jewel Craft	250	698	8-Sep-2009	Elster	4941090	7-Sep-14	NA	10.89	77.27
26	C0009	Arul Steels	600	82	30-Sep-2008	Premier	TNB 03278	29-Sep-13	Provided	8.97	77.69
27	C0010	Arun Textiles Pvt. Ltd.,	600	649	17-Feb-2009	Elster	4954686	16-Feb-14	NA	10.89	77.33
28	C0010	Arun Textiles Pvt.	600	660	26-Mar-	Elster	4954360	25-Mar-14	NA	10.92	77.36

		Ltd.,			2009						
29	C0011	Aruna Alloy Steels Pvt. Ltd.,	1650	12	28-Mar-2009	Elster	4955003	27-Mar-14	NA	9.93	77.54
30	C0019	C. Dorairaj	600	838	4-Sep-2009	Secure	TNB 03206	3-Sep-14	NA	10.93	77.20
31	C0020	C. Natarajan	225	2816	30-Mar-2009	Premier	TNB 03162	29-Mar-14	NA	8.15	77.36
32	C0023	Cheran Textile Mills	600	719	29-Sep-2009	Secure	TNB 03210	28-Sep-14	NA	10.88	77.27
33	C0024	Chiranjeevi Wind Energy Ltd.,	250	662	28-Mar-2009	Elster	4954814	27-Mar-14	NA	10.55	77.15
34	C0024	Chiranjeevi Wind Energy Ltd.,	250	129	31-Mar-2009	Elster	4941024	30-Mar-14	NA	10.54	77.11
35	C0026	Coimbatore Pioneer Fertilizers Ltd.,	600	656	26-Mar-2009	Secure	TNB 03179	25-Mar-14	NA	10.90	77.25
36	C0026	Coimbatore Pioneer Fertilizers Ltd.,	600	657	26-Mar-2009	Secure	TNB 03180	25-Mar-14	NA	10.89	77.25
37	C0027	Concorde Textiles	600	2818	30-Mar-2009	Premier	TNB 02933	29-Mar-14	NA	9.06	77.42
38	C0027	Concorde Textiles	600	2925	8-Sep-2009	Premier	TNB 03264	7-Sep-14	NA	9.05	77.41
39	C0029	Divya Spinning Mill Pvt. Ltd.,	1250	1708	26-Sep-2009	L & T	12090126	25-Sep-14	NA	10.72	77.43

40	C0030	Dollar Industries Ltd.,	1250	2935	22-Sep-2009	Premier	TN 900284	21-Sep-14	NA	8.96	77.67
41	C0032	Eveready Spinning Mills Pvt. Ltd.,	600	713	25-Sep-2009	Secure	TNB 03211	24-Sep-14	NA	10.88	77.27
42	C0033	Eveready Textiles	600	695	22-Aug-2009	Secure	TNB 03201	21-Aug-14	NA	10.88	77.27
43	C0037	Green Energy	250	3018	14-Dec-2009	L & T	13193070	13-Dec-14	NA	9.04	77.38
44	C0044	Jayanthi Textile Products Unit II	1250	219	29-Mar-2009	Elster	4961920	28-Mar-14	NA	10.85	77.12
45	C0045	Jayavarma Textiles Pvt. Ltd.,	1250	124	27-Mar-2009	Secure	TN9 02497	26-Mar-14	NA	10.86	77.15
46	C0049	Karpagham Tex	600	705	23-Sep-2009	Secure	TNB 03241	22-Sep-14	NA	10.91	77.19
47	C0052	Lakshminarayan Gaurishanker Enterprises Pvt. Ltd.,	250	681	26-May-2009	Elster	4955039	25-May-14	NA	10.95	77.27
48	C0052	Lakshminarayan Gaurishanker Enterprises Pvt. Ltd.,	250	665	28-Mar-2009	Elster	4959579	27-Mar-14	NA	10.95	77.26
49	C0052	Lakshminarayan Gaurishanker Enterprises Pvt. Ltd.,	250	659	26-Mar-2009	Elster	4959584	25-Mar-14	NA	10.95	77.27

50	C0052	Lakshminarayan Gaurishanker Enterprises Pvt. Ltd.,	250	658	26-Mar-2009	Elster	4959585	25-Mar-14	NA	10.94	77.26
51	C0054	Madras Hardtools Pvt. Ltd.,	250	120	28-Sep-2008	Elster	4954741	27-Sep-13	Provided	10.54	77.15
52	C0054	Madras Hardtools Pvt. Ltd.,	250	2889	31-Jul-2009	Elster	4954816	30-Jul-14		9.02	77.40
53	C0060	Micro Colour Makers	250	1544	11-Sep-2008	Elster	4941091	10-Sep-13	Provided	10.78	77.41
54	C0062	N. Leelavathy	225	2815	30-Mar-2009	Premier	TNB 03160	29-Mar-14	NA	8.14	77.36
55	C0063	N. Muthukumaar	600	863	29-Sep-2009	Secure	TNB 03240	28-Sep-14	NA	10.91	77.19
56	C0064	Narasu's Spinning Mills	600	1653	30-Mar-2009	Elster	4961946	29-Mar-14	NA	10.76	77.43
57	C0065	P. Periyaswamy HUF	600	707	23-Sep-2009	Secure	TNB 03239	22-Sep-14	NA	10.91	77.19
58	C0069	P.S.K. Engineering Construction & Co.,	1500	230	28-Sep-2009	Wallaby	HT02 120 681	27-Sep-14	NA	10.85	77.15
59	C0070	Pallava Textile Ltd.,	1650	38	26-Sep-2009	Secure	TNB 04546	25-Sep-14	NA	9.90	77.48
60	C0074	Perfect Gears (Chennai) Pvt.	250	2773	25-Mar-2009	Elster	4955078	24-Mar-14	NA	9.01	77.32

		Ltd.,									
61	C0076	Preethi Cotspin Pvt. Ltd.,	600	133	31-Jul-2009	Secure	TNB 03247	30-Jul-14	NA	10.88	77.25
62	C0083	Raju & Co.,	600	81	30-Sep-2008	Premier	TNB 02901	29-Sep-13	Provided	8.96	77.69
63	C0086	S C Energiaa Pvt. Ltd.,	250	252	28-May-2009	L & T	9593394	27-May-14	NA	8.14	77.33
64	C0088	Sabari Jewellery Wind Farms	250	1658	31-Mar-2009	Elster	4955036	30-Mar-14	NA	10.69	77.31
65	C0092	Salona Cotspin Ltd.,	600	687	24-Jul-2009	Secure	TNB 03198	23-Jul-14	NA	10.90	77.25
66	C0093	Santhi Casting Works	600	107	26-Mar-2009	Premier	TNB 03284	25-Mar-14	NA	8.96	77.69
67	C0093	Santhi Casting Works	600	106	26-Mar-2009	Premier	TNB 02902	25-Mar-14	NA	8.95	77.73
68	C0094	Saravana Textile Mills	600	693	22-Aug-2009	Secure	TNB 03199	21-Aug-14	NA	10.88	77.27
69	C0094	Saravana Textile Mills	600	694	22-Aug-2009	Secure	TNB 03200	21-Aug-14	NA	10.87	77.27
70	C0095	Scientific MES Technik Pvt. Ltd.,	600	105	26-Mar-2009	Premier	TNB 03277	25-Mar-14	NA	8.98	77.68
71	C0102	Siva Subramania Textiles	600	652	11-Mar-2009	Secure	TNB 03178	10-Mar-14	NA	10.91	77.29
72	C0104	Soundara Knit	600	706	23-Sep-	Secure	TNB	22-Sep-14	NA	10.90	77.18

		Wears			2009		03242				
73	C0107	Sree Kandiamman Industries	250	2811	30-Mar-2009	Premier	TNE81266	29-Mar-14	NA	8.28	77.57
74	C0109	Sri Dhanalakshmi Sizing and Spinning Mill	600	2859	20-Jun-2009	Premier	TNB 03452	19-Jun-14	NA	8.20	77.34
75	C0111	Sri Jagannatha Spinners	600	688	31-Jul-2009	Secure	TNB 03202	30-Jul-14	NA	10.91	77.14
76	C0119	Srinivasan Associates Pvt. Ltd.,	600	696	3-Sep-2009	Secure	TNB 03216	2-Sep-14	NA	10.89	77.31
77	C0120	Sripathi Paper and Boards Pvt. Ltd.,	600	680	22-May-2009	Secure	TNB 03181	21-May-14	NA	10.90	77.30
78	C0124	Sun Chem Products (P) Ltd.,	250	2786	27-Mar-2009	Elster	4954807	26-Mar-14	NA	8.98	77.31
79	C0125	Sun Industrial Automations & Solutions	600	2922	2-Sep-2009	Premier	TNB 03258	1-Sep-14	NA	8.98	77.37
80	C0129	T.N. Nantagopal & Sons,	600	2979	29-Sep-2009	Premier	TNB 03170	28-Sep-14	NA	9.02	77.39
81	C0132	Thirupur Suriya Textiles Pvt. Ltd.,	1250	128	30-Mar-2009	Elster	4961931	29-Mar-14	NA	10.87	77.14
82	C0134	Twowin Export	225	1652	29-Mar-2009	Elster	4961971	28-Mar-14	NA	10.73	77.34

83	C0135	Vellingiri Andavar Textiles Pvt. Ltd.,	600	692	7-Aug-2009	Secure	TNB 03207	6-Aug-14	NA	10.92	77.14
84	C0140	VXL Systems	800	1704	25-Sep-2009	Secure	TNB 03823	24-Sep-14	NA	10.75	77.44