

# 4<sup>TH</sup> VERIFICATION REPORT

## GROUPED WIND POWER PROJECT IN INDIA



|                      |                                     |
|----------------------|-------------------------------------|
| <b>Project Title</b> | Grouped Wind Power Project in India |
| <b>Version</b>       | 04                                  |
| <b>Report ID</b>     | VCS.12.VER.008.MP04                 |

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|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Report Title</b>        | Grouped Wind Power Project in India                                                                                                                                                                                                                                                                            |
| <b>Client</b>              | South Pole Carbon Asset Management Ltd                                                                                                                                                                                                                                                                         |
| <b>Pages</b>               | 31                                                                                                                                                                                                                                                                                                             |
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## Summary:

KBS Certification Services Pvt. Ltd. has performed the fourth verification of the VCS project entitled "Grouped Wind Power Project in India" and VCS Registry Number 429. The verification includes confirming the implementation of the monitoring plan of the registered VCS PD and the application of the monitoring methodology as per ACM0002, version 10. A site visit was conducted to check the implementation of registered monitoring plan and verify the data submitted in the monitoring report. KBS confirms the following has been reviewed;

- a) The registered PD, including the monitoring plan and the corresponding validation opinion(s);
- b) Previous verification reports;
- c) Monitoring report for the monitoring period under verification including VER calculations sheets and all supporting documents;
- d) The applied monitoring methodology;
- e) Relevant decisions, clarifications and guidance from the CMP and the CDM Executive Board;
- f) All information and references relevant to the project activity's resulting in emission reductions

Findings related to project implementation were raised and successfully closed during verification activity.

KBS Certification Services Pvt. Ltd. confirms that the monitoring system is in place and the emission reductions are calculated without material misstatements.

Based on the information seen and evaluated we confirm that the implementation of the project has resulted in 160,055 tCO<sub>2</sub>e emission reductions during period 01/07/2010 up to 31/10/2011.

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## 1 INTRODUCTION

### 1.1 Objective

KBS has been commissioned by South Pole Carbon Asset Management Ltd. to perform an independent verification of its registered VCS project “Grouped Wind Power Project in India”, VCS Registry no. 429 for the reported GHG emission reductions for the given monitoring period 01/07/2010 up to 31/10/2011 (both dates included). The objective of the verification is an independent assessment by a Designated Operational Entity (“DOE”) of a proposed project activity against the defined set of criteria under the Voluntary Carbon Standard /Verified Carbon Standard (VCS). The VCS projects must undergo independent third party verification and certification of emission reductions as the basis for issuance of Voluntary Emission Reductions (VERs).

The objectives of this verification exercise are, by review of objective evidence, to establish that:

- The project activity has been implemented and operated as per the registered VCS PD and that all physical features (technology, project equipment, and monitoring and metering equipment) of the project are in place;
- Monitoring report and other supporting documents are complete;
- The actual monitoring systems & procedures and monitoring report conforms with the requirements of the approved monitoring plan and the approved monitoring methodology;
- The data is recorded and stored as per the monitoring methodology and approved monitoring plan.

### 1.2 Scope and Criteria

The scope of the verification is the independent and objective review and ex post determination of the monitored reductions in GHG emission by the project activity. The verification is based on the registered PD and the monitoring report. The project is assessed against the requirements of VCS V3.2<sup>10/</sup> and related rules and guidance.

KBS has, based on the recommendations in the latest version of Voluntary Carbon Standard, and employed a risk-based approach in the verification, focusing on the identification of significant reporting risks and the reliability of project monitoring.

### 1.3 Level of assurance

- ☒ Reasonable level of assurance
- ☐ Limited level of assurance

Based on the process and the procedures conducted, KBS provides a reasonable but not absolute level of assurance that the project's greenhouse gas assertion is materially correct and a fair representation of the greenhouse gas data and information.

## 1.4 Summary Description of the Project

The purpose of the project activity is to provide electricity using Wind Turbine Generator (WTG) which leads to reduced greenhouse gas (GHG) emissions as it displaces electricity from fossil fuel based electricity generation plants. It is a bundled wind power project activity with total capacity of 74.9 MW consisting 68.875 MW grid connected and 6.025 MW captive renewable electricity generation. The project activity involves 72 project promoters which comprise of total 111 nos of WTGs ranging from 0.225 MW to 1.5 MW.

**Table 1: Detail of the WTGs:**

| Sr. No. | Name of Project Promoter                         | Installed Capacity (MW) | Latitude/Longitude | Commissioning Date | Village     | District  |
|---------|--------------------------------------------------|-------------------------|--------------------|--------------------|-------------|-----------|
| 1       | Pragati Agencies                                 | 1.25                    | 17°01'N<br>74°35'E | 31/03/2006         | Dahiwadi    | Sangli    |
| 2       | Umang Textiles                                   | 0.6                     | 17°08'N<br>74°59'E | 21/06/2006         | Nagaj       | Sangli    |
| 3       | Ankur Textiles                                   | 0.6                     | 17°08'N<br>74°59'E | 30/03/2006         | Shelkewadi  | Sangli    |
| 4       | Vandana Textiles                                 | 0.6                     | 17°08'N<br>74°59'E | 31/03/2006         | Kundlapur   | Sangli    |
| 5       | Sun Irrigation System (P) Ltd.                   | 0.6                     | 17°08'N<br>74°59'E | 30/03/2006         | Shelkewadi  | Sangli    |
| 6       | Jathar Textiles Pvt. Ltd.                        | 0.6                     | 17°08'N<br>74°59'E | 31/03/2006         | Kundlapur   | Sangli    |
| 7       | B. C. Chadrashchkar                              | 0.6                     | 17°08'N<br>74°59'E | 19/05/2006         | Kundlapur   | Sangli    |
| 8       | B.C. Shivakumar                                  | 0.6                     | 17°08'N<br>74°59'E | 19/05/2006         | Garjewadi   | Sangli    |
| 9       | Aerolex Cablenet                                 | 1.25                    | 17°08'N<br>74°59'E | 28/03/2006         | Jarandi     | Sangli    |
| 10      | B. S. Channabasappa & Sons                       | 1.25                    | 17°08'N<br>74°59'E | 31/03/2006         | Tisangi     | Sangli    |
| 11      | Air Control (India) Pvt. Ltd.                    | 0.6                     | 16°46'N<br>73°86'E | 31/03/2008         | Sonawade    | Sangli    |
| 12      | Bengal Cardboard Industries & Printers Pvt. Ltd. | 0.6                     | 20°98'N<br>73°86'E | 01/11/2006         | Aichale     | Dhule     |
| 13      | Chaphekar Engineering Pvt. Ltd.                  | 0.6                     | 16°46'N<br>73°86'E | 30/12/2006         | Shirsatwadi | Sangli    |
| 14      | Economic Explosives Limited                      | 1.25                    | 16°36'N<br>74°25'E | 31/03/2006         | Vavad       | Nandurbar |
| 15      | Jsons Foundry Private Limited                    | 0.6                     | 17°01'N<br>74°35'E | 05/08/2008         | Sonawade    | Sangli    |
| 16      | Jsons Foundry Private Limited                    | 0.6                     | 17°01'N<br>74°35'E | 19/04/2008         | Sonawade    | Sangli    |
| 17      | Jsons Foundry Private Limited                    | 0.6                     | 17°01'N<br>74°35'E | 28/03/2007         | Charan      | Sangli    |
| 18      | Western Precicast Pvt Ltd                        | 1.25                    | 21°11'N<br>74°13'E | 29/03/2006         | Chakla      | Nandurbar |
| 19      | Metal Link Alloys Ltd.                           | 1.25                    | 16°46'N<br>73°86'E | 26/05/2006         | Amkhel      | Dhule     |
| 20      | Naik Sea Foods Ltd.                              | 0.6                     | 20°98'N<br>74°31'E | 08/11/2006         | Aichale     | Dhule     |
| 21      | RDS Construction Company                         | 0.6                     | 20°98'N            | 08/11/2006         | Aichale     | Dhule     |

| Sr<br>·<br>N<br>o. | Name of Project Promoter               | Install<br>ed<br>Capaci<br>ty<br>(MW) | Latitude/L<br>ongitude | Commissio<br>ning<br>Date | Village     | District  |
|--------------------|----------------------------------------|---------------------------------------|------------------------|---------------------------|-------------|-----------|
|                    |                                        |                                       | 74°31'E                |                           |             |           |
| 22                 | Silverline Investment Co. Pvt. Ltd.    | 0.6                                   | 20°98'N<br>74°31'E     | 01/11/2006                | Aichale     | Dhule     |
| 23                 | Sushila Overseas,                      | 0.6                                   | 17°01'N<br>74°31'E     | 19/05/2006                | Shelkewadi  | Sangli    |
| 24                 | Vostok (Fareast) Securities Pvt. Ltd.  | 0.6                                   | 20°98'N<br>74°31'E     | 20/12/2006                | Aichale     | Dhule     |
| 25                 | Shree Ambica Auto Sales & Service      | 1.25                                  | 17°11' N<br>74°21'E    | 31/07/2006                | Jarandi     | Sangli    |
| 26                 | Unirose Textile Processors Pvt. Ltd.   | 0.6                                   | 16°51' N<br>74°35'E    | 18/08/2006                | Tisangi     | Sangli    |
| 27                 | B. S. C. Textiles                      | 0.60                                  | 16°51' N<br>74°35'E    | 29/09/2006                | Tisangi     | Sangli    |
| 28                 | P. Vijaya Kumar                        | 0.60                                  | 16°51' N<br>74°35'E    | 29/09/2006                | Wagholi     | Sangli    |
| 29                 | B. C. Umapathy (smaller HUF)           | 0.60                                  | 16°51' N<br>74°35'E    | 29/09/2006                | Nagaj       | Sangli    |
| 30                 | P. Mohan Lal                           | 0.60                                  | 16°51' N<br>74°35'E    | 29/09/2006                | Wagholi     | Sangli    |
| 31                 | S. K. Veerbhadrappa & Co               | 0.60                                  | 16°51' N<br>74°35'E    | 29/09/2006                | Shelkewadi  | Sangli    |
| 32                 | SreeVeerbhadrashwara Rice & Flour Mill | 0.60                                  | 16°51' N<br>74°35'E    | 29/09/2006                | Garjewadi   | Sangli    |
| 33                 | GEM Lab. Pvt. Ltd.                     | 1.25                                  | 20°58' N<br>74°19'E    | 11/05/2006                | Amkhel      | Dhule     |
| 34                 | GEM Lab. Pvt. Ltd.                     | 1.25                                  | 20°58' N<br>74°19'E    | 16/08/2006                | Panhalipada | Dhule     |
| 35                 | Sri Anjaneya Cotton Mills Pvt. Ltd.    | 1.25                                  | 20°59' N<br>74°19'E    | 23/03/2006                | Amkhel      | Dhule     |
| 36                 | Sri Anjaneya Cotton Mills Pvt. Ltd.    | 1.25                                  | 20°59' N<br>74°19'E    | 29/03/2006                | Amkhel      | Dhule     |
| 37                 | Harshita Sales Corporation             | 0.60                                  | 16°51' N<br>74°35'E    | 30/09/2006                | Garjewadi   | Sangli    |
| 38                 | Ushahkal Nursing Home                  | 0.60                                  | 16°51' N<br>74°35'E    | 26/09/2006                | Nagaj       | Sangli    |
| 39                 | Mahabal Auto Ancillaries Pvt. Ltd      | 1.25                                  | 16°52' N<br>74°34'E    | 25/03/2006                | Birenwadi   | Sangli    |
| 40                 | Mahabal Metals Pvt. Ltd                | 1.25                                  | 21°11' N<br>74°13'E    | 29/03/2007                | Akrule      | Nandurbar |
| 41                 | MahalaxmiInfraprojects Limited         | 1.50                                  | 21°11' N<br>74°19 'E   | 09/03/2007                | Gangapur    | Nandurbar |
| 42                 | Agarwal Packaging Pvt. Ltd.            | 1.25                                  | 16°59' N<br>74°07 'E   | 29/09/2005                | Kundalpur   | Sangli    |
| 43                 | Agarwal Packaging Pvt. Ltd.            | 0.6                                   | 16°59' N<br>74°07 'E   | 30/12/2006                | Panumbre    | Sangli    |
| 44                 | Choudhary Exports                      | 1.25                                  | 20°54' N<br>74°47' E   | 08/11/2006                | Jamde       | Dhule     |
| 45                 | Runwal Developers Pvt. Ltd.            | 1.25                                  | 21°11' N<br>74°19 'E   | 31/03/2004                | Khori       | Dhule     |
| 46                 | Runwal Developers Pvt. Ltd.            | 1.25                                  | 21°11' N<br>74°19 'E   | 25/03/2005                | Khori       | Dhule     |
| 47                 | Kulkarni Power Tools Ltd.              | 1.25                                  | 21°16' N<br>73°56 'E   | 29/09/2006                | Jamde       | Dhule     |

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|--------------------|---------------------------------------------------|---------------------------------------|------------------------------------------------|---------------------------|----------------|-------------|
| 48                 | Jsons Fountry Private Limited                     | 0.225                                 | 08 <sup>0</sup> 16' N<br>77 <sup>0</sup> 42' E | 28/09/2005                | Veppilankulam  | Tirunelveli |
| 49                 | Jsons Fountry Private Limited                     | 0.225                                 | 08 <sup>0</sup> 16' N<br>77 <sup>0</sup> 42' E | 28/09/2005                | Veppilankulam  | Tirunelveli |
| 50                 | Jsons Fountry Private Limited                     | 0.225                                 | 08 <sup>0</sup> 16' N<br>77 <sup>0</sup> 42' E | 30/09/2005                | Veppilankulam  | Tirunelveli |
| 51                 | Jsons Fountry Private Limited                     | 0.225                                 | 08 <sup>0</sup> 16' N<br>77 <sup>0</sup> 42' E | 30/09/2005                | Veppilankulam  | Tirunelveli |
| 52                 | Jsons Fountry Private Limited                     | 0.225                                 | 08 <sup>0</sup> 16' N<br>77 <sup>0</sup> 42' E | 21/02/2007                | Veppilankulam  | Tirunelveli |
| 53                 | Jsons Fountry Private Limited                     | 0.225                                 | 08 <sup>0</sup> 16' N<br>77 <sup>0</sup> 42' E | 21/02/2007                | Veppilankulam  | Tirunelveli |
| 54                 | Jsons Fountry Private Limited                     | 0.225                                 | 08 <sup>0</sup> 16' N<br>77 <sup>0</sup> 42' E | 21/02/2007                | Veppilankulam  | Tirunelveli |
| 55                 | Western Precicast Pvt. Ltd                        | 0.225                                 | 08 <sup>0</sup> 16' N<br>77 <sup>0</sup> 42' E | 24/02/2007                | Veppilankulam  | Tirunelveli |
| 56                 | P.M.P. Textiles Spinning Mills Limited            | 0.5                                   | 11 <sup>0</sup> 00' N<br>76 <sup>0</sup> 96' E | 09/09/2004                | Anthiyur       | Coimbatore  |
| 57                 | RCR Eco-Power                                     | 0.225                                 | 08 <sup>0</sup> 16' N<br>77 <sup>0</sup> 42' E | 22/03/2005                | Veppilankulam  | Tirunelveli |
| 58                 | RCR Eco-Power                                     | 0.225                                 | 08 <sup>0</sup> 16' N<br>77 <sup>0</sup> 42' E | 22/03/2005                | Veppilankulam  | Tirunelveli |
| 59                 | RCR Eco-Power                                     | 0.35                                  | 08 <sup>0</sup> 16' N<br>77 <sup>0</sup> 42' E | 31/03/2006                | Myvadi         | Tirunelveli |
| 60                 | RCR Eco-Power                                     | 0.35                                  | 08 <sup>0</sup> 16' N<br>77 <sup>0</sup> 42' E | 15/02/2007                | Thandayarkulam | Tirunelveli |
| 61                 | RCR Eco-Power                                     | 0.6                                   | 08 <sup>0</sup> 16' N<br>77 <sup>0</sup> 42' E | 27/09/2007                | Kulayaneri     | Tirunelveli |
| 62                 | Shankarlal                                        | 0.225                                 | 08 <sup>0</sup> 16' N<br>77 <sup>0</sup> 42' E | 03/02/2007                | Veppilankulam  | Tirunelveli |
| 63                 | B. S. C. Textiles                                 | 0.225                                 | 08 <sup>0</sup> 16' N<br>77 <sup>0</sup> 42' E | 31/03/2006                | Veppilankulam  | Tirunelveli |
| 64                 | B. S. C. Textiles                                 | 0.225                                 | 08 <sup>0</sup> 16' N<br>77 <sup>0</sup> 42' E | 31/03/2006                | Veppilankulam  | Tirunelveli |
| 65                 | B. S. C. Textiles                                 | 0.225                                 | 08 <sup>0</sup> 16' N<br>77 <sup>0</sup> 42' E | 19/12/2006                | Veppilankulam  | Tirunelveli |
| 66                 | P. Vijaya Kumar                                   | 0.225                                 | 08 <sup>0</sup> 16' N<br>77 <sup>0</sup> 42' E | 21/04/2006                | Perungudi      | Tirunelveli |
| 67                 | P. Vijaya Kumar                                   | 0.225                                 | 08 <sup>0</sup> 16' N<br>77 <sup>0</sup> 42' E | 30/09/2005                | Thandayarkulam | Tirunelveli |
| 68                 | O. B. Agarwal                                     | 0.225                                 | 08 <sup>0</sup> 16' N<br>77 <sup>0</sup> 42' E | 03/02/2007                | Veppilankulam  | Tirunelveli |
| 69                 | Radha-Mohan Processors                            | 0.225                                 | 08 <sup>0</sup> 16' N<br>77 <sup>0</sup> 42' E | 31/03/2006                | Veppilankulam  | Tirunelveli |
| 70                 | Swadeshi Dyeing & Bleaching Mills Private Limited | 0.225                                 | 08 <sup>0</sup> 16' N<br>77 <sup>0</sup> 42' E | 31/03/2006                | Veppilankulam  | Tirunelveli |
| 71                 | B. S. Channabasappa& Sons                         | 0.225                                 | 08 <sup>0</sup> 16' N<br>77 <sup>0</sup> 42' E | 31/03/2006                | Veppilankulam  | Tirunelveli |
| 72                 | B. S. Channabasappa& Sons                         | 0.225                                 | 08 <sup>0</sup> 16' N<br>77 <sup>0</sup> 42' E | 31/03/2006                | Veppilankulam  | Tirunelveli |
| 73                 | B. S. Channabasappa& Sons                         | 0.225                                 | 08 <sup>0</sup> 16' N<br>77 <sup>0</sup> 42' E | 19/12/2006                | Veppilankulam  | Tirunelveli |
| 74                 | P. Mohan Lal                                      | 0.225                                 | 08 <sup>0</sup> 16' N<br>77 <sup>0</sup> 42' E | 29/03/2006                | Thandayarkulam | Tirunelveli |

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|--------------------|------------------------------------------------|---------------------------------------|------------------------|---------------------------|--------------------|-------------|
| 75                 | P. Mohan Lal                                   | 0.225                                 | 08°16' N<br>77°42' E   | 30/09/2005                | Thandayarkulum     | Tirunelveli |
| 76                 | Operational Energy group India (P) Pvt Ltd     | 0.225                                 | 08°16' N<br>77°42' E   | 30/03/2005                | Veppilankulum      | Tirunelveli |
| 77                 | Operational Energy group India (P) Pvt Ltd     | 0.225                                 | 08°16' N<br>77°42' E   | 31/03/2005                | Veppilankulum      | Tirunelveli |
| 78                 | Mahalingashetty & Co. Ltd.                     | 0.6                                   | 10°21' N<br>77°57' E   | 28/03/2007                | Rajampatti         | Dindigul    |
| 79                 | Sri Venkatachalapathy Spinning Mills Pvt. Ltd. | 0.75                                  | 08° 44' N<br>77°42' E  | 13/03/2006                | Karuvantha         | Tirunelveli |
| 80                 | Sri Venkatachalapathy Spinning Mills Pvt. Ltd. | 0.75                                  | 08° 44' N<br>77°42' E  | 27/03/2006                | Karuvantha         | Tirunelveli |
| 81                 | Choudhary Exports                              | 1.25                                  | 11° 21' N<br>77°44' E  | 30/03/2006                | Govindpuram        | Erode       |
| 82                 | Ramraj Handlooms                               | 0.85                                  | 08°10' N<br>77°34' E   | 24/03/2005                | Karungulam         | Tirunelveli |
| 83                 | Ramraj Handlooms                               | 0.75                                  | 09°48' N<br>77°19' E   | 30/12/2005                | Uthupalayam        | Erode       |
| 84                 | Ramraj Handlooms                               | 0.75                                  | 08°18' N<br>77°27' E   | 31/07/2006                | Azhagiapandiapuram | Tirunelveli |
| 85                 | N. Sumati                                      | 0.25                                  | 10°58' N<br>77°17' E   | 29/03/2005                | Sellakarachal      | Coimbatore  |
| 86                 | K. R. Nagarajan                                | 0.25                                  | 10°58' N<br>77°17' E   | 29/03/2005                | Sellakarachal      | Coimbatore  |
| 87                 | Air Control (India) Pvt. Ltd.                  | 0.6                                   | 21°63' N<br>69°06' E   | 29/03/2008                | Kuchhadi           | Porbandar   |
| 88                 | Badawe Engineers Pvt. Ltd.                     | 0.6                                   | 21°63' N<br>69°6' E    | 29/03/2008                | Kuchhadi           | Porbandar   |
| 89                 | Pragati Glass Pvt. Ltd.,                       | 1.25                                  | 22°46' N<br>70°06' E   | 28/02/2007                | Lamba              | Jamnagar    |
| 90                 | Siddharth Infra Tech Pvt. Ltd                  | 0.6                                   | 21°63' N<br>69°60' E   | 29/03/2008                | Kuchhadi           | Porbandar   |
| 91                 | Agarwal Enterprises                            | 0.6                                   | 21°38' N<br>69°36' E   | 29/03/2008                | Visawada           | Porbandar   |
| 92                 | Agarwal Enterprises                            | 0.6                                   | 21°38' N<br>69°36' E   | 29/03/2008                | Visawada           | Porbandar   |
| 93                 | Unique Sugars Ltd.                             | 1.5                                   | 23°11' N<br>68°54' E   | 02/04/2007                | Suthri             | Kutch       |
| 94                 | Jaychandra Agro Industries Pvt. Ltd.           | 0.6                                   | 23°11' N<br>68°59' E   | 02/05/2007                | Sandhan            | Kutch       |
| 95                 | Shree Ram Hotels                               | 0.35                                  | 26°55' N<br>70°39' E   | 30/03/2006                | Pohra              | Jaisalmer   |
| 96                 | Chhabra Syncotex Ltd.                          | 0.6                                   | 26°53' N<br>71°00' E   | 15/03/2008                | Sadiya             | Jaisalmer   |
| 97                 | Chhabra Syncotex Ltd.                          | 0.6                                   | 26°55' N<br>70°51' E   | 29/03/2007                | Barabaug           | Jaisalmer   |
| 98                 | Chhabra Syncotex Ltd.                          | 0.35                                  | 26°55' N<br>70°39' E   | 30/03/2006                | Pohra              | Jaisalmer   |
| 99                 | Sona Processors (India) Ltd.                   | 0.35                                  | 26°55' N<br>70°39' E   | 30/03/2006                | Pohra              | Jaisalmer   |
| 100                | Delhi Rajasthan Transport Co. Ltd.             | 0.35                                  | 26°55' N<br>70°51' E   | 18/10/2006                | Barabaug           | Jaisalmer   |
| 101                | Metro Cement and Mines Pvt. Ltd.               | 0.6                                   | 26°55' N<br>70°51' E   | 29/03/2007                | Barabaug           | Jaisalmer   |

| Sr<br>·<br>N<br>o. | Name of Project Promoter  | Install<br>ed<br>Capaci<br>ty<br>(MW) | Latitude/L<br>ongitude | Commissio<br>ning<br>Date | Village                           | District  |
|--------------------|---------------------------|---------------------------------------|------------------------|---------------------------|-----------------------------------|-----------|
| 102                | SarvodayaSutings Ltd      | 0.35                                  | 26°91'N<br>70°90'E     | 30/09/2004                | Baramsar                          | Jaisalmer |
| 103                | SarvodayaSutings Ltd      | 0.35                                  | 26°91'N<br>70°90'E     | 31/03/2004                | Baramsar                          | Jaisalmer |
| 104                | Free India Energy         | 1.25                                  | 22°28'<br>N70°04'E     | 14/03/2004                | Soda                              | Jaisalmer |
| 105                | S C Shettar and Sons      | 1.25                                  | 15°12' N<br>75°53'E    | 17/03/2008                | Kappatgudda                       | Gadag     |
| 106                | Swarna Constructions      | 1.25                                  | 15°12' N<br>75°53'E    | 31/03/2008                | Kappatgudda                       | Gadag     |
| 107                | Suresh Kumar Sharma (HUF) | 1.25                                  | 15°25' N<br>75°38'E    | 23/09/2006                | Harogiri/Kapp<br>atgudda          | Gadag     |
| 108                | BEML Limited              | 1.25                                  | 15°25' N<br>75°38'E    | 20/12/2007                | Bidnahal,<br>Kappatgudda<br>hills | Gadag     |
| 109                | BEML Limited              | 1.25                                  | 15°25' N<br>75°38' E   | 20/12/2007                |                                   | Gadag     |
| 110                | BEML Limited              | 1.25                                  | 15°25' N<br>75°38' E   | 20/12/2007                |                                   | Gadag     |
| 111                | BEML Limited              | 1.25                                  | 15°25' N<br>75°38' E   | 20/12/2007                |                                   | Gadag     |
| <b>Total</b>       |                           | <b>74.90</b>                          |                        |                           |                                   |           |

According to UNFCCC definitions, the project is a Large-Scale projects activity in scope 1 "Energy industries (renewable)" and applies the approved methodology ACM0002: "Consolidated baseline methodology for grid-connected electricity generation from renewable sources (Version 10)"/5/.The main purpose of the project activity is:

1. To generate electrical energy through sustainable means using natural wind power resources;
2. To utilize the generated electricity output for selling it to the state electricity utilities and for captive use.
3. To contribute to climate change mitigation efforts.
4. To contribute to the sustainable development of the region.

## 2 VALIDATION PROCESS, FINDINGS AND CONCLUSION

### 2.1 Validation Process

The project activity is already validated under VCS Program and the process undertaken by the validating DOE is described therein.

### 2.2 Validation Findings

#### 2.2.1 Gap Validation

The project is already validated under Voluntary Carbon Standard by another DOE (validation report)<sup>/9/</sup> no supplementary validation, in accordance with VCS Registration and Issuance Process, was undertaken.

#### 2.2.2 Methodology Deviations

There are no deviations identified or applied by the project. The verification team confirms that the validated VCS PD<sup>/1/</sup> complies with the requirements in the applied methodology<sup>/5/</sup>. The monitoring plan in the validated VCS PD<sup>/1/</sup> is followed at site as well.

#### 2.2.3 New Project Activity Instances

The project activity is not identified as a grouped project as the description in the validated VCS PD<sup>/1/</sup> and validation report<sup>/09/</sup>.

### 2.3 Validation Conclusion

The project activity complies with the validation criteria defined under VCS 2007.1 Program Guidelines as confirmed from the validation report issued for the project activity.

## 3 VERIFICATION PROCESS

### 3.1 Method and Criteria

KBS follows a risk based verification approach, wherein a desk review of the project documentation is undertaken, which is followed by an onsite visit by the members of verification team. The verification protocol is filled by the verification team that is based on standard auditing practices and to capture the applicable VCS requirements. The verification protocol provides transparent means to record the observations by the verification team members and the nonconformities, if any. The verification protocol is an internal document, and available on request.

### 3.2 Document Review

A desk review is undertaken, involving but not limited to,

- A review of the data and information presented to verify their completeness;
- A review of the monitoring plan and monitoring methodology, paying particular attention to the frequency of measurements, the quality of metering equipment

including calibration requirements, and the quality assurance and quality control procedures;

- An evaluation of data management and the quality assurance and quality control system in the context of their influence on the generation and reporting of emission reductions.
- Cross-checks of data and information provided with documents provided and used for the validation.

The list of document reviewed is included in the section 'References'

### 3.3 Interviews

The site visit for this verification assessment was undertaken by the assessment team and details are mentioned below;

|                             |                                    |                                                                         |
|-----------------------------|------------------------------------|-------------------------------------------------------------------------|
| <b>Location</b>             | Karnataka: Gadag                   |                                                                         |
| <b>Dates</b>                | 15/05/2012                         |                                                                         |
| <b>Key points discussed</b> | <b>Name of person, interviewed</b> | <b>Designation, Organization</b>                                        |
| <b>Operational data</b>     | B. Esworopp                        | Engineer, Suzlon Energy Ltd.                                            |
| <b>Calibration</b>          | Keshava Mistry                     | Senior Executive, Suzlon Energy Ltd.                                    |
| <b>Data collection</b>      | Nagabhushana swamy                 | Senior Executive, Suzlon Energy Ltd.                                    |
| <b>QA/QC procedures</b>     | B. Prahlad                         | Senior Engineer, Suzlon Energy Ltd.                                     |
| <b>Calculation of ERs</b>   | Rahul kulkarni                     | Principal Consultant, MITCON Consultancy & Engineering Services Ltd.    |
| <b>CDM requirements</b>     | Rahul Kulkarni                     | Principal Consultant, MITCON Consultancy & Engineering Services Ltd.    |
| <b>Others, if any</b>       | Tanushree Bagh                     | Business Development Manager<br>South Pole Carbon Asset Management Ltd. |

|                             |                                       |                                                                      |
|-----------------------------|---------------------------------------|----------------------------------------------------------------------|
| <b>Location</b>             | Tamil Nadu: Tirunelveli and Nagarcoil |                                                                      |
| <b>Dates</b>                | 17/05/2012 & 18/05/2012               |                                                                      |
| <b>Key points discussed</b> | <b>Name of person, interviewed</b>    | <b>Designation, Organization</b>                                     |
| <b>Operational data</b>     | B. Seenivasan                         | Engineer, Suzlon Energy Ltd.                                         |
| <b>Calibration</b>          | A. Chellpanni                         | Senior Executive, Suzlon Energy Ltd.                                 |
| <b>Data collection</b>      | S. Sagavanan                          | Senior Executive, Suzlon Energy Ltd.                                 |
| <b>QA/QC procedures</b>     | Ganesh Zende                          | Senior Engineer, Suzlon Energy Ltd.                                  |
| <b>Calculation of ERs</b>   | Ganesh Zende                          | Principal Consultant, MITCON Consultancy & Engineering Services Ltd. |
| <b>CDM requirements</b>     | Ganesh Zende                          | Principal Consultant, MITCON Consultancy & Engineering Services Ltd. |
| <b>Others, if any</b>       | Tanushree Bagh                        | Business Development Manager<br>South Pole Carbon Asset Management   |

|  |  |      |
|--|--|------|
|  |  | Ltd. |
|--|--|------|

|                             |                                                      |                                                                         |
|-----------------------------|------------------------------------------------------|-------------------------------------------------------------------------|
| <b>Location</b>             | Maharashtra: Ahmednagar<br>Gujarat: Kutch & Jamnagar |                                                                         |
| <b>Dates</b>                | 14/05/2012 & 15/05/2012                              |                                                                         |
| <b>Key points discussed</b> | <b>Name of person interviewed</b>                    | <b>Designation, Organization</b>                                        |
| <b>Operational data</b>     | Suhas Jadhav                                         | Engineer, Suzlon Energy Ltd.                                            |
| <b>Calibration</b>          | Santosh Patil                                        | Senior Executive, Suzlon Energy Ltd.                                    |
| <b>Data collection</b>      | Sanjay B. Shete                                      | Senior Executive, Suzlon Energy Ltd.                                    |
| <b>QA/QC procedures</b>     | Sanjay Kadam                                         | Senior Engineer, Suzlon Energy Ltd.                                     |
| <b>Calculation of ERs</b>   | Anant Ladukar                                        | Principal Consultant, MITCON Consultancy & Engineering Services Ltd.    |
| <b>CDM requirements</b>     | Anant Ladukar                                        | Principal Consultant, MITCON Consultancy & Engineering Services Ltd.    |
| <b>Others, if any</b>       | Tanushree Bagh                                       | Business Development Manager<br>South Pole Carbon Asset Management Ltd. |

The following sampling procedure has been adopted in order to verify the whole project: On-site audit was based on a sampling procedure.

The total of 111 installed WTGs was divided into the following categories:

- Location in the states of Gujarat, Rajasthan, Maharashtra, Karnataka, and Tamil Nadu
- Connected to the Northern, Eastern, Western and North eastern Grid (NEWNE); states of Gujarat,

Maharashtra, and Rajasthan

- Connected to the Southern Grid; state of Karnataka, and Tamil Nadu
- Technologies of the WTGs with capacities of 0.225, 0.25, 0.35, 0.5, 0.6, 0.75, 0.85, 1.25, and 1.5 MW
- Commissioning year (2004 – 2008)

We have selected the following WTGs out of 111 WTGs –

| S.No | WTG No | Project proponent     | Location   | State                |
|------|--------|-----------------------|------------|----------------------|
| 1    | 03     | Ankur Textiles        | Shelkewadi | Sangli (Maharashtra) |
| 2.   | 05     | Sun Irrigation System | Shelkewadi | Sangli (Maharashtra) |
| 3.   | 23     | Sushila overseas      | Shelkewadi | Sangli (Maharashtra) |
| 4.   | 31     | S.K. Veerbhadrappa    | Shelkewadi | Sangli (Maharashtra) |
| 5.   | 28     | P. Vijaya Kumar       | Wagholi    | Sangli (Maharashtra) |

|     |     |                                                   |                                   |                            |
|-----|-----|---------------------------------------------------|-----------------------------------|----------------------------|
| 6.  | 30  | P.Mohan Lal                                       | Wagholi                           | Sangli<br>(Maharashtra)    |
| 7.  | 79  | Sri Venkatachalapathy<br>Spinning Mills Pvt. Ltd. | Karuvantha                        | Tiruneveli<br>(Tamil Nadu) |
| 8.  | 80  | Sri Venkatachalapathy<br>Spinning Mills Pvt. Ltd. | Karuvantha                        | Tiruneveli<br>(Tamil Nadu) |
| 9.  | 105 | S C Shettar and Sons                              | Kappatgudda                       | Gadag<br>(Karnataka)       |
| 10. | 106 | Swarna Constructions                              | Kappatgudda                       | Gadag<br>(Karnataka)       |
| 11. | 107 | Suresh Kumar Sharma<br>(HUF)                      | Kappatgudda                       | Gadag<br>(Karnataka)       |
| 12. | 108 | BEML Limited                                      | Bidnahal,<br>Kappatgudda<br>hills | Gadag<br>(Karnataka)       |
| 13. | 109 | BEML Limited                                      | Bidnahal,<br>Kappatgudda<br>hills | Gadag<br>(Karnataka)       |
| 14. | 110 | BEML Limited                                      | Bidnahal,<br>Kappatgudda<br>hills | Gadag<br>(Karnataka)       |
| 15. | 111 | BEML Limited                                      | Bidnahal,<br>Kappatgudda<br>hills | Gadag<br>(Karnataka)       |

Sampling is done according to the VCS program guidelines 2007.<sup>1/14/</sup> and to the IAF (International Accreditation Forum) guide to ISO/IEC guide 66:1999<sup>13/</sup> rounded ( $\sqrt{x}$ ); with 111 WTGs = 11. Calculation review has been done for all the WTGs however the minimum sampling number of the grouped project was for 15 WTGs which is more than the minimum number required for sampling. The approach selected is in line with the registered validation report <sup>19/</sup> by Swiss Association for Quality and management Systems (SQS).

### 3.4 Site Inspections

A site visit is undertaken by members of verification team, involving but not limited to,

- An assessment of the implementation and operation of the VCS project activity as per the registered PD;
- A review of information flows for generating, aggregating and reporting the monitoring parameters;
- Interviews with relevant personnel to confirm that the operational and data collection procedures are implemented in accordance with the approved monitoring plan;
- A cross-check between information provided in the monitoring report and data from other sources such as plant log books, JMR, invoices or similar data sources;
- A check of the monitoring equipments including calibration performance and observations of monitoring practices against the requirements of the PD and the selected methodology;
- A review of calculations and assumptions made in determining the GHG data and emission reductions;
- An identification of quality control and quality assurance procedures in place to prevent or identify and correct any errors or omissions in the reported monitoring parameters.

### 3.5 Resolution of Any Material Discrepancy

|                     | CARs      | CLs       | FARs      |
|---------------------|-----------|-----------|-----------|
| <b>Total raised</b> | <b>04</b> | <b>03</b> | <b>00</b> |

|                                                                                                                                                                                                                                    |            |         |                  |                 |                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------|------------------|-----------------|----------------|
| Date:                                                                                                                                                                                                                              | 11/05/2012 |         | Raised by:       | Assessment team |                |
| Type:                                                                                                                                                                                                                              | CL         | Number: | #01              | Reference:      | VCS – Standard |
| Detailed description of non-conformance/finding                                                                                                                                                                                    |            |         | Date: 11/05/2012 |                 |                |
| PP to clarify whether it is a fourth verification or third verification as mentioned in section 1.6, “Project Crediting Period” of the monitoring report of VCS-MR.                                                                |            |         |                  |                 |                |
| Project Participant Response:                                                                                                                                                                                                      |            |         | Date :29/05/2012 |                 |                |
| This has now been corrected in revised MR                                                                                                                                                                                          |            |         |                  |                 |                |
| Documentation Provided by Project Participant:                                                                                                                                                                                     |            |         |                  |                 |                |
| Revised MR                                                                                                                                                                                                                         |            |         |                  |                 |                |
| Assessment by the Team Leader:                                                                                                                                                                                                     |            |         |                  |                 |                |
| Correction is made in the revised MR, version 02 dated 14/06/2012. It is also cross-checked with the VCS web site for the project activity. Justification provided by PP is acceptable to the assessment team. Hence CL is closed. |            |         |                  |                 |                |
| Acceptance and not close out by Team Leader:                                                                                                                                                                                       |            |         | Date: 18/06/2012 |                 |                |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |            |                |                          |                   |                |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|----------------|--------------------------|-------------------|----------------|
| <b>Date:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 11/05/2012 |                | <b>Raised by:</b>        | Assessment team   |                |
| <b>Type:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | CL         | <b>Number:</b> | #02                      | <b>Reference:</b> | VCS – Standard |
| <b>Detailed description of non-conformance/finding</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |            |                | <b>Date:</b> 11/05/2012  |                   |                |
| <p>The following documents are to be submitted to “Verification Team” for verifying the information in MR:</p> <ol style="list-style-type: none"> <li>1. Monthly credit reports by state electricity authority</li> <li>2. Monthly invoices by WTG-owner</li> <li>3. Yearly meter calibrations by state electricity authority</li> <li>4. O&amp;M agreements between WTG-owner and contractor</li> <li>5. Commissioning certificates for the ETGs</li> <li>6. Verification reports of the last verification.</li> </ol> |            |                |                          |                   |                |
| <b>Project Participant Response:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |            |                | <b>Date :</b> 29/05/2012 |                   |                |
| <p>Following documents has now been submitted to DOE for verification</p> <ol style="list-style-type: none"> <li>1. Monthly credit reports by state electricity authority</li> <li>2. Monthly invoices by WTG-owner</li> <li>3. Yearly meter calibrations by state electricity authority</li> <li>4. O&amp;M agreements between WTG-owner and contractor</li> <li>5. Commissioning certificates for the ETGs</li> <li>6. Verification reports of the last verification.</li> </ol>                                      |            |                |                          |                   |                |
| <b>Documentation Provided by Project Participant:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |            |                |                          |                   |                |
| <ol style="list-style-type: none"> <li>1. Monthly credit reports by state electricity authority</li> <li>2. Monthly invoices by WTG-owner</li> <li>3. Yearly meter calibrations by state electricity authority</li> <li>4. O&amp;M agreements between WTG-owner and contractor</li> <li>5. Commissioning certificates for the ETGs</li> <li>Verification reports of the last verification.</li> </ol>                                                                                                                   |            |                |                          |                   |                |
| <b>Assessment by the Team Leader:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |            |                |                          |                   |                |
| Monthly credit notes, invoices for WTG no 48 to 54 are not provided for Json Fountry Private Limited and for S.K. Veerabhadrapa & Co by PP. CAR is open.                                                                                                                                                                                                                                                                                                                                                                |            |                |                          |                   |                |
| <b>Acceptance and not close out by Team Leader:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |            |                | <b>Date:</b> 20/06/2012  |                   |                |
| <b>Project Participant Response:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |            |                | <b>Date :</b> 20/06/2012 |                   |                |
| S.K. Veerabhadrapa & Co are provided the documents and same has been submitted to DOE and incorporated in ER sheet and revised MR.                                                                                                                                                                                                                                                                                                                                                                                      |            |                |                          |                   |                |
| <b>Documentation Provided by Project Participant:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |            |                | <b>20/06/2012</b>        |                   |                |
| Revised MR and ER sheet                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |            |                |                          |                   |                |
| <b>Assessment by the Team Leader:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |            |                |                          |                   |                |
| Assessment team has verified the credit notes, invoices have been provided by PP and Emission reductions have also been revised in the MR and ER sheet. CL#02 is closed                                                                                                                                                                                                                                                                                                                                                 |            |                |                          |                   |                |
| <b>Acceptance and not close out by Team Leader:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |            |                | <b>Date:</b> 20/06/2012  |                   |                |

|                                                                                                                                                                                   |            |                |                          |                   |                |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|----------------|--------------------------|-------------------|----------------|
| <b>Date:</b>                                                                                                                                                                      | 11/05/2012 |                | <b>Raised by:</b>        | Assessment team   |                |
| <b>Type:</b>                                                                                                                                                                      | CAR        | <b>Number:</b> | #03                      | <b>Reference:</b> | VCS – Standard |
| <b>Detailed description of non-conformance/finding</b>                                                                                                                            |            |                | <b>Date:</b> 11/05/2012  |                   |                |
| In the ER sheet the numbers are rounded down to two digits after decimal while in the MR numbers are presented even after two digits of the decimals, corrective action required. |            |                |                          |                   |                |
| <b>Project Participant Response:</b>                                                                                                                                              |            |                | <b>Date :</b> 29/05/2012 |                   |                |
| This has now been updated in ER sheet and revised MR                                                                                                                              |            |                |                          |                   |                |
| <b>Documentation Provided by Project Participant:</b>                                                                                                                             |            |                |                          |                   |                |
| ER sheet and revised MR                                                                                                                                                           |            |                |                          |                   |                |
| <b>Assessment by the Team Leader:</b>                                                                                                                                             |            |                |                          |                   |                |

|                                                                                  |                         |
|----------------------------------------------------------------------------------|-------------------------|
| It is verified by the assessment team in the revised MR. Hence CAR#03 is closed. |                         |
| <b>Acceptance and not closed out by Team Leader:</b>                             | <b>Date: 20/06/2012</b> |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |            |            |                 |                  |                |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|-----------------|------------------|----------------|
| Date:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 11/05/2012 | Raised by: | Assessment team |                  |                |
| Type:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | CAR        | Number:    | #04             | Reference:       | VCS – Standard |
| Detailed description of non-conformance/finding                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |            |            |                 | Date: 11/05/2012 |                |
| PP has to provide all the delayed calibration certificates for all the WTGs as mentioned in VCS-MR as per CDM EB 52 Annex 60 guideline the justification for the permissible errors in case of the delayed calibration has to be substantiated.                                                                                                                                                                                                                                                                                                                                                                                                          |            |            |                 |                  |                |
| Project Participant Response:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |            |            |                 | Date :29/05/2012 |                |
| The calibration certificate factor has been applied as per EB 52 annex 60 guidance for the WTGs mention in the VCS MR.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |            |            |                 |                  |                |
| The circumstances do not allow for calibration as per the PD, therefore we have added another 0.5% and 0.2% in addition to the maximum plausible error to be conservative. Therefore the total error deducted is 1% and 0.4% from those PPs whose calibration certificate are not available.                                                                                                                                                                                                                                                                                                                                                             |            |            |                 |                  |                |
| Also, the state utility pays to client according to the present meters which are in within permissible limit of error and functioning properly. There has been no change in the meter.                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |            |            |                 |                  |                |
| Documentation Provided by Project Participant:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |            |            |                 |                  |                |
| ER Sheet                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |            |            |                 |                  |                |
| Assessment by the Team Leader:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |            |            |                 |                  |                |
| Calibration certificates are verified by the assessment team. In case of delayed calibration, PP has applied the correction factor as per EB 52 annex 60. In case where the calibration is not possible, PP has added another 0.5% and 0.2% in addition to the maximum permissible error for the conservative measure. Since the control of these meters are not in the hand of PP, the meters are in the premises of the state utility board.Since PP has applied the correction factor twice due to the unavailability of the calibration certificate for the conservative measure for the calculation of emission reductions. Hence CAR#04 is closed. |            |            |                 |                  |                |
| Acceptance and not close out by Team Leader:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |            |            |                 | Date: 20/06/2012 |                |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |            |         |            |                         |                |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------|------------|-------------------------|----------------|
| Date:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 11/05/2012 |         | Raised by: | Assessment team         |                |
| Type:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | CAR        | Number: | # 05       | Reference:              | VCS – Standard |
| <b>Detailed description of non-conformance/finding</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |            |         |            | <b>Date:</b> 11/05/2012 |                |
| PP is to provide justification for FAR#01 raised during the previous verification, “As an appendix to the monitoring report a management review has to show evidence of the fully functioning GHG information system, i.e. to review the continuing suitability, adequacy and effectiveness of measures related to the assurance of the quality of data. This review shall include a list of related activities. PP also needs to provide justification for FAR#02 raised in the last verification “The EPC Contractor should be exactly descriptive with company name and the three responsible persons for the three different roles” |            |         |            |                         |                |
| <b>Project Participant Response:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |            |         |            | <b>Date :29/05/2012</b> |                |
| FAR#01<br>This has now been updated in Appendix I of the revised MR.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |            |         |            |                         |                |
| FAR#02 :<br>The project activity has the different EPC contractor for each WTGs of project proponent. Also these EPC contractors have different designation for different roles and responsibility. Hence, we cannot add the company name and specific roles of EPC contractor. Further, generalised role and responsibility of the three responsible persons for the three different roles has now been provided in section 3.3 of revised monitoring report.                                                                                                                                                                          |            |         |            |                         |                |
| <b>Documentation Provided by Project Participant:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |            |         |            |                         |                |
| Revised MR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |            |         |            |                         |                |
| <b>Assessment by the Team Leader:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |            |         |            |                         |                |
| Information related to monitoring of GHG information flow and for different roles and responsibility is now included in revised MR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |            |         |            |                         |                |

|                                                                                            |                         |
|--------------------------------------------------------------------------------------------|-------------------------|
| Justification provided by PP is acceptable to the assessment team. Hence CAR#05 is closed. |                         |
| <b>Acceptance and not close-out by Team Leader:</b>                                        | <b>Date: 20/06/2012</b> |

|                                                                                                                                                                                                     |            |         |            |                  |                           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------|------------|------------------|---------------------------|
| Date:                                                                                                                                                                                               | 11/05/2012 |         | Raised by: | Assessment team  |                           |
| Type:                                                                                                                                                                                               | CAR        | Number: | #06        |                  | Reference: VCS – Standard |
| Detailed description of non-conformance/finding                                                                                                                                                     |            |         |            | Date: 11/05/2012 |                           |
| The monitoring parameter, “Net electricity generated and delivered to the grid by WTG in year ‘y’ Egy” is not presented in the section 3.2 of VCS-MR as per the registered monitoring plan.         |            |         |            |                  |                           |
| Project Participant Response:                                                                                                                                                                       |            |         |            | Date :29/05/2012 |                           |
| The monitoring parameter, “Net electricity generated and delivered to the grid by WTG in year ‘y’ Egy” has now been made consistent in section 3.2 of VCS-MR as per the registered monitoring plan. |            |         |            |                  |                           |
| Documentation Provided by Project Participant:                                                                                                                                                      |            |         |            |                  |                           |
| Revised MR                                                                                                                                                                                          |            |         |            |                  |                           |
| Assessment by the Team Leader:                                                                                                                                                                      |            |         |            |                  |                           |
| In the revised MR, monitoring parameter is included. CAR#06 is closed.                                                                                                                              |            |         |            |                  |                           |
| Acceptance and not close-out by Team Leader:                                                                                                                                                        |            |         |            | Date:20/06/2012  |                           |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |            |         |            |                    |                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------|------------|--------------------|---------------------|
| Date:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 12/07/2012 |         | Raised by: | Technical Reviewer |                     |
| Type:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | CL         | Number: | #07        |                    | Reference: CDM-D-32 |
| Detailed description of non-conformance/finding                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |            |         |            | Date: 12/07/2012   |                     |
| <p>1. Assessment team could not locate the last monitoring report on the VCS website, however, the provided one contains the period from 01/09/2009 till 31/08/2010, which does not match with current monitoring period i.e. 01/07/2010 to 31/10/2011. ON VCS website, monitoring period mentioned as MONIT_REP_429_01APR2006_31DEC2007.pdf, VERIF_REP_429_01APR2006_31DEC2007.pdf, MONIT_REP_429_01JAN2008_31JUL2009.pdf, VERIF_REP_429_01JAN2008_31JUL2009.pdf, MONIT_REP_82_01SEP2009_31AUG2010.pdf likewise which does not match with any of the monitoring period as mentioned in the MR. Clarification required.</p> <p>2. PP to provide confirmation that the project is a grouped project.</p> <p>3. PP to provide information provided on the operation of the project activity(s) during this monitoring period, including any information on events that may impact the GHG emission reductions or removals and monitoring.</p> |            |         |            |                    |                     |
| Project Participant Response:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |            |         |            | Date : 13/07/2012  |                     |
| <p>1. The last monitoring report has now been uploaded on the VCS website (<a href="https://vcsprojectdatabase2.apx.com/myModule/ProjectDoc/Project_ViewFile.asp?FileID=3839&amp;IDKEY=n903q4jsafkasifu90amnmassdfkaidflnmddf9348r09dmfasdf05293981">https://vcsprojectdatabase2.apx.com/myModule/ProjectDoc/Project_ViewFile.asp?FileID=3839&amp;IDKEY=n903q4jsafkasifu90amnmassdfkaidflnmddf9348r09dmfasdf05293981</a>) Also date of 1<sup>st</sup> 2<sup>nd</sup> 3<sup>rd</sup> &amp; 4<sup>th</sup> Monitoring period has been updated in revised MR</p> <p>2. Project is not grouped project activity as per VCS guidelines has now been updated in revised MR</p> <p>3. The information on the operation of the project activity(s) during this monitoring period including information on events that may impact the GHG emission reduction or removal and monitoring has now been updated in revised MR</p>                        |            |         |            |                    |                     |
| Documentation Provided by Project Participant:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |            |         |            |                    |                     |
| Revised MR, version 05 dated 13/07/2012                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |            |         |            |                    |                     |
| Assessment by the Team Leader:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |            |         |            |                    |                     |
| <p>1. Assessment team have reviewed the VCS webpage and found that the previous verification report is updated on the website. Monitoring period has also been revised in the MR.</p> <p>2. Information whether the project activity is grouped or not has been updated in the revised MR.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |            |         |            |                    |                     |

3. Information on the operation of the project activity during the monitoring period and events has now been included in the revised MR.

**Acceptance and Close-out by Team Leader:**

**Date:** 16/07/2012

## 4 VERIFICATION FINDINGS

### 4.1 Project Implementation Status

During the verification a site visit was carried out. On the basis of this site visit and the reviewed project documentation it can be confirmed that w.r.t. the realized technology, the project equipments, as well as the monitoring and metering equipment, the project has been implemented and operated as described in the registered PD<sup>/1/</sup>. However, the project developer (Jsons Group) having 6 WTGs of 0.225 MW capacity (HTSC number 1445 from Jsos Foundary Pvt Ltd) and 2 WTGs of 0.225 MW capacity (HTSC numbers 2159 & 2163 of Western Precicast Pvt Ltd) in Tamil Nadu, has withdrawn its participation from this project activity for the entire crediting period and also provided the declaration for not claiming of any emission reduction in future<sup>/16/</sup>. During this monitoring period no emission reduction has been claimed from these 8 WTGs. Given, it's a bundle project activity, the withdrawal of participation by any individual investor will not affect the additionality and baseline of the project activity.

The commissioning certificates of all the WTGs were verified by the verification team and found to be appropriate and in line with the information provided in the MR and registered PD<sup>/01/</sup>. The implementation of the project activity was carried out between 2004 and 2008, the first WTG was commissioned on 14/03/2004 and the last WTG was commissioned on 05/08/2008. The monitoring plan required for the ex-ante estimation of the emission reduction is also implemented at the project site as per the registered monitoring plan. The energy meters were found to be installed at the respective places during onsite verification conducted by the verification team. The WTG rated capacity, location/identification number, make, meter serial number and make etc. Were verified from the name plates and found to be accurate. The power generated from the project activity has been evacuated and sold to the regional grids NEWNE and southern grid as mentioned in the registered VCS PD<sup>/1/</sup>, the JMR<sup>/11/</sup>, PPA<sup>/11/</sup> and invoices<sup>/11/</sup> raised by PP against JMR has been verified to confirm the same.

There have been two FARs from the previous monitoring period. These FARs have been raised by the assessment team as CAR#05 and closed successfully.

## 4.2 Accuracy of GHG Emission Reduction or Removal Calculations

### Monitored parameters:

### Discussion:

The project activity applies the monitoring methodology ACM0002, version 10<sup>5/</sup>, which is properly implemented in the monitoring plan mentioned in the MR<sup>2/</sup> as well as being followed on-site. The monitoring mechanism is effective and reliable and inline to the monitoring methodology. An intense review of the MR<sup>2/</sup> was carried out along with which personnel involved at various levels of operation of the project activity were interviewed to confirm the implementation of the defined process.

As per the VCS PD<sup>1/</sup>, parameters being monitored for this particular project activity are –

| EG <sub>y</sub>                         | Net Electricity Generation                                                                                                                                                                                                                                                                                                                                       |                       |  |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|--|
| Monitoring equipment                    | State utility owned energy meters; these meters record both energy exported and energy imported by the WTGs of the project activity. Therefore, Net Electricity Export to grid = Electricity export to grid – Electricity import from grid – Electricity Losses, if any (Transmission and Distribution losses) apportioned by SEB based on the monitored values. |                       |  |
| Measuring/ Reading /Recording frequency | Continuous measurement and monthly recording.                                                                                                                                                                                                                                                                                                                    |                       |  |
| Data collection                         | The data is obtained from the JMRs/ Credit reports issued by the respective state electricity utility.                                                                                                                                                                                                                                                           |                       |  |
| Verified value, Unit                    | Vintage                                                                                                                                                                                                                                                                                                                                                          | EG <sub>y</sub> (MWh) |  |
|                                         | 01/07/2010 to 31/12/2010                                                                                                                                                                                                                                                                                                                                         | 119,974               |  |
|                                         | 01/01/2011 to 31/10/2011                                                                                                                                                                                                                                                                                                                                         | 55,403                |  |
| Cross checks                            | The values mentioned in the ER spread sheet <sup>3/</sup> verified from the generation reports are cross-checked with the invoices <sup>11/</sup> raised by the PPs for the payment.                                                                                                                                                                             |                       |  |
| QA/QC procedures applied                | The project electricity generation is based on the net units displaced as measured by main metering system installed at the interconnection point (substation point). The net electricity exported to the grid is cross checked electricity sales receipt (Invoice).                                                                                             |                       |  |

The onsite monitoring of parameters is found in line with the requirements of registered monitoring plan<sup>1/</sup>. The general conditions set out for metering, recording, meter readings, meter inspections, test & checking and communication are as per the registered monitoring plan. Each meter is inspected and sealed by an official from state utility who also takes the meter reading and then translates it in the “Certificate for share of electricity/ Credit report” format, which indicates the net electricity exported. This forms the basis for the calculation of emission reductions.

There was delay in the calibration for all the PPs involved in the project at some point or the other (details are provided in annexure I) and therefore a conservative approach has been applied in the calculation of emission reductions. The assessment team has verified the calibration certificate. In case of delayed calibration, assessment team have verified the delayed calibration as per EB52 Annex 60<sup>12/11</sup> "Guidelines for assessing compliance with the calibration frequency requirements" and where the calibration certificates are not available, PP has added another 0.5% and 0.2% in addition to the maximum permissible error for the conservative measure since the accuracy class of the meter represents the maximum permissible error.

#### 4.3 Quality of Evidence to Determine GHG Emission Reductions or Removals

##### Assessment of Data and Calculation of GHG emission reductions:

Emission reductions (ER) are calculated for the period 1/07/2010 to 31/10/2011 (including first and last day)

As per ACM0002, version 10<sup>15/</sup>, emission reduction is calculated as follows:

$$\text{Baseline emission} = \text{Net electricity supplied to grid (MWh)} \times \text{Grid emission Factor (tCO}_2\text{/MWh)}$$

As wind power projects fall under clean energy sources for electricity generation, the emission from the project is taken as zero.

$$PE_y = 0$$

Leakage estimation is also not required.

$$LE_y = 0$$

##### Summary of GHG Emission Reductions and Removals

$$\begin{aligned} \text{Emission Reduction} &= \text{Baseline Emission} - \text{Project Emission} - \text{Leakage} \\ \text{Emission reduction} &= 160,055 - 0 - 0 \\ &= 160,055 \text{ tCO}_2\text{e} \end{aligned}$$

Year wise breakup of VCUs

| Period                   | Emission Reductions (tCO <sub>2</sub> e) |
|--------------------------|------------------------------------------|
| 01/07/2010 to 31/12/2010 | 57,338                                   |
| 01/01/2011 to 31/10/2011 | 102,717                                  |
| Total                    | 160055                                   |

#### 4.4 Management and Operational System

The operation and maintenance of the project activity is carried out by the WTG supplier, Suzlon/Vestas/Enercon/pioneer/ NEPC/Wincon/NEG Micon/Gamesa Eolica etc. The monitoring of the project activity is also done by the same entity. Internal audits are also conducted every six months to check the monitoring and documentation of the parameters being monitored and maintain the quality of VERs generated from the project activity. The internal audit reports were verified by the assessment team<sup>/15/</sup>. It can therefore be concluded that the VCS project along with its management system is in place and properly executed.

### 5 VERIFICATION CONCLUSION

The verification is based on the validated VCS PD<sup>/1/</sup>, validation report<sup>/9/</sup>, previous verification reports<sup>/4/</sup> and the monitoring report<sup>/2/</sup> for this project. Our verification approach was based on the requirements as defined under the Kyoto Protocol, Marrakech accord, as well as those defined by the CDM Executive Board and VCS Standard Version 3.2<sup>/10/</sup>.

MITCON Consultancy & Engineering Services Ltd is responsible for the preparation of the GHG emissions data and the reported GHG emissions reductions on the basis set out within the project Final Monitoring Report Version 07 dated 13/08/2012<sup>/2/</sup>. The development and maintenance of records and reporting procedures are in accordance with the Monitoring Report Version 07 dated 13/08/2012<sup>/2/</sup>.

An independent assessment was done understanding the risks associated with the monitoring and reporting of the parameters related to the GHG emission reduction for the period 01/07/2010 to 31/10/2011 based on the reported emission reductions in the Final Monitoring Report Version 07 dated 13/08/2012<sup>/2/</sup>. Sufficient evidence was gathered against the information provided and explanations were requested wherever necessary. The project was assessed for the calculation of the GHG emission reductions caused by the project activity.

The information provided by the project proponent was verified with the support of information provided and the evidence collected at the on-site inspection and is found to be correctly stated.

Reporting period:

From 01/07/2010 to 31/10/2011

*Verified GHG emission reductions or removals in the above reporting period:*

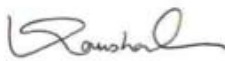
| GHG Emission Reductions or Removals            | 2010          | 2011           | tCO <sub>2</sub> e |
|------------------------------------------------|---------------|----------------|--------------------|
| Baseline Emissions                             | <b>57,338</b> | <b>102,717</b> | <b>160,055</b>     |
| Project Emissions                              | 0             | 0              | 0                  |
| Leakage                                        | 0             | 0              | 0                  |
| <b>Net GHG emission reductions or removals</b> | <b>57,338</b> | <b>102,717</b> | <b>160,055</b>     |

| Emission reductions (tCO <sub>2</sub> e) | Values as per the registered VCS-PD    | Actual values during the monitoring period | % change in emission reduction |
|------------------------------------------|----------------------------------------|--------------------------------------------|--------------------------------|
|                                          | $(130,195 \times 488) / 365 = 174,069$ | 160,055                                    | -8.05%                         |

It is clear from the above table that in the present monitoring period emission reduction are 8% lower than the expected emission reduction as per the registered VCS-PD.

Location: Faridabad

Date: 14/08/2012



Kaushal Goyal  
Managing Director  
KBS Certification Services Ltd.

## 6 REFERENCES:

|     |                                                                                                                                                                                                                                                |
|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| /1/ | VCS PD, VCS ID 429 dated 19/11/2007                                                                                                                                                                                                            |
| /2/ | MR, version 01 , dated 21/04/2012<br>MR, version 02 dated 29/05/2012<br>MR version 03 dated 14/06/2012<br>MR version 04 dated 23/06/2012<br>MR version 05 dated 13/07/2012<br>MR version 06 dated 27/07/2012<br>MR version 07 dated 13/08/2012 |
| /3/ | ER, version 01 dated 21/04/2012<br>ER version 02 dated 29/05/2012<br>ER version 03 dated 14/06/2012<br>ER version 04 dated 23/06/2012<br>ER version 05 dated 13/07/2012<br>ER version 06 dated 27/07/2012                                      |
| /4/ | Verification report, for crediting period from 01/04/2006 to 31/12/2007<br>Verification report for crediting period from 01/01/2008 to 31/07/2009<br>Verification report for crediting period from 01/08/2009 to 30/06/2010                    |
| /5/ | Approved Methodology ACM0002 "Consolidated baseline methodology for grid-connected electricity generation from renewable sources (Version 10)"                                                                                                 |
| /6/ | Commissioning certificates for all the WTGs as mentioned in table 1.                                                                                                                                                                           |
| /7/ | Calibration Certificates for all the WTGs as indicated in Appendix -1.                                                                                                                                                                         |
| /8/ | CEA data for emission factor, version 04                                                                                                                                                                                                       |
| /9/ | Validation report, report no P27829 dated 17/11/09                                                                                                                                                                                             |

|      |                                                                                                                                                                                                                                                                                              |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| /10/ | VCS Standard Version 3.2                                                                                                                                                                                                                                                                     |
| /11/ | Invoices/JMR/PPA raised by the PPs for the monitoring period 01/07/2010 to 31/10/2011                                                                                                                                                                                                        |
| /12/ | EB52 Annex 60 "Guidelines for assessing compliance with the calibration frequency requirements"                                                                                                                                                                                              |
| /13/ | IAF (International Accreditation Forum) guide to ISO/IEC guide 66:1999 ( <a href="http://www.compad.com.au/cms/iaf/workstation/upFiles/107931.IAF-GD6-2006_Guide_66_Issue_4_Pub.pdf">http://www.compad.com.au/cms/iaf/workstation/upFiles/107931.IAF-GD6-2006_Guide_66_Issue_4_Pub.pdf</a> ) |
| /14/ | VCS program guidelines 2007.1 dated 18/11/2008                                                                                                                                                                                                                                               |
| /15/ | Internal Audit reports for the WTGs                                                                                                                                                                                                                                                          |
| /16/ | Letter of withdrawn from Jsons Group for the 8 WTGs having HTSC numbers 1445, 2159 & 2163 dated 13/08/2012                                                                                                                                                                                   |

## APPENDIX -1

| Sr. No. | Project Promoter                                 | WTG Unique ID | Feeder /SS Name        | Main Meter No. | Check Meter No. | Accuracy class | Permissible Error <sup>1</sup> | Calibration |                         |
|---------|--------------------------------------------------|---------------|------------------------|----------------|-----------------|----------------|--------------------------------|-------------|-------------------------|
|         |                                                  |               |                        |                |                 |                |                                | 2010        | 2011                    |
| 1       | Pragati Agencies                                 | G 316         | Ghatnandre Feeder No.3 | 4738049        | 4738050         | 0.2            | Within permissible limit       | 19/06/2010  | 13/06/2011              |
| 2       | Umang Textiles                                   | W 06          | Ghatnandre Feeder No.4 | 4738054        | 4738048         | 0.2            | Within permissible limit       | 19/06/2010  | 13/06/2011              |
| 3       | Ankur Textiles                                   | W 19          |                        |                |                 |                |                                |             |                         |
| 4       | Vandana Textiles                                 | W 20          |                        |                |                 |                |                                |             |                         |
| 5       | Sun Irrigation System (P) Ltd.                   | W 18          |                        |                |                 |                |                                |             |                         |
| 6       | Jathar Textiles Pvt. Ltd.                        | W 22          | Ghatnandre Feeder No.3 | 4738049        | 4738050         | 0.2            | Within permissible limit       | 19/06/2010  | 13/06/2011              |
| 7       | B. C. Chadrashekhhar                             | W 26          |                        |                |                 |                |                                |             |                         |
| 8       | B.C. Shivakumar                                  | W 52          |                        |                |                 |                |                                |             |                         |
| 9       | Aerolex Cablenet                                 | G 324         | Ghatnandre Feeder No.1 | 4738051        | 4738047         | 0.2            | Within permissible limit       | NA          | 13/06/2011              |
| 10      | B. S. Channabasappa& Sons                        | G 334         | Ghatnandre Feeder No.3 | 4738049        | 4738050         | 0.2            | Within permissible limit       | 19/06/2010  | 13/06/2011              |
| 11      | Air Control (India) Pvt. Ltd.                    | GP 99         | Nigade S/S             | 4939178        | 4939179         | 0.2            | Within permissible limit       | 30/03/2010  | NA <sup>2</sup>         |
| 12      | Bengal Cardboard Industries & Printers Pvt. Ltd. | K 318         | Jamde Feeder No.6      | 4725778        | 4725803         | 0.2            | Within permissible limit       | 20/08/2010  | 17/09/2011 <sup>3</sup> |
| 13      | Chaphekar Engineering Pvt. Ltd.                  | GP 42         | Shirashi               | 4948749        | 4948748         | 0.2            | Within permissible limit       | 28/05/2010  | 20/06/2011 <sup>4</sup> |
| 14      | Economic Explosives Limited                      | K 505         | Nandurbar Feeder No.2  | 4860905        | 4890568         | 0.2            | Within permissible limit       | 20/08/2010  | 17/09/2011 <sup>5</sup> |
| 15      | Jsons Foundry Private                            | GP 102        | Undale feeder 4        | 4939178        | 4939179         | 0.2            | NA                             | NA          | NA <sup>6</sup>         |

<sup>1</sup> Please refer calibration certificate for more details

<sup>2</sup> Delay correction factor 0.4 % has been applied from March 2011 to Oct 2011 as calibration certificate are not available with PP.

<sup>3</sup> Delay correction factor 0.2 % has been applied for July 2010, Aug 2010, Aug 2011 and Sept 2011

<sup>4</sup> Delay correction factor 0.2 % has been applied for May 2011 and June 2011

<sup>5</sup> Delay correction factor 0.2 % has been applied for July 2010, Aug 2010, Aug 2011 and Sept 2011

| Sr. No. | Project Promoter                      | WTG Unique ID | Feeder /SS Name        | Main Meter No. | Check Meter No. | Accuracy class | Permissible Error <sup>1</sup> | Calibration |                          |
|---------|---------------------------------------|---------------|------------------------|----------------|-----------------|----------------|--------------------------------|-------------|--------------------------|
|         |                                       |               |                        |                |                 |                |                                | 2010        | 2011                     |
| 16      | Limited                               | GP 101        |                        |                |                 |                |                                |             |                          |
| 17      |                                       | GP 31         | Shirashi               | 4948749        | 4948748         | 0.2            | Within permissible limit       | 28/05/2010  | 20/06/2011 <sup>7</sup>  |
| 18      | Western Precicast Pvt Ltd             | K- 437        | Gangapur Feeder No.7   | 4961766        | 4890563         | 0.2            | Within permissible limit       | 20/08/2010  | 17/09/2011 <sup>8</sup>  |
| 19      | Metal Link Alloys Ltd.                | K-258         | Walve Feeder No.1      | 4725793        | 4725788         | 0.2            | Within permissible limit       | 20/08/2010  | 17/09/2011 <sup>9</sup>  |
| 20      | Naik Sea Foods Ltd.                   | K 308         | Jamde feeder No.6      | 4725778        | 4725803         | 0.2            | Within permissible limit       | 20/08/2010  | 17/09/2011 <sup>10</sup> |
| 21      | RDS Construction Company              | K 322         | Jamde feeder No.6      |                |                 |                |                                |             |                          |
| 22      | Silverline Investment Co. Pvt. Ltd.   | K 317         | Jamde feeder No.6      |                |                 |                |                                |             |                          |
| 23      | Sushila Overseas,                     | W 23          | Ghatnandre Feeder No.4 | 4738054        | 4738048         | 0.2            | Within permissible limit       | 19/06/2010  | 13/06/2011               |
| 24      | Vostok (Fareast) Securities Pvt. Ltd. | K 309         | Jamde feeder No.06     | 4725778        | 4725803         | 0.2            | Within permissible limit       | 20/08/2010  | 17/09/2011 <sup>11</sup> |
| 25      | Shree Ambica Auto Sales & Service     | G-87          | Ghatnandre Feeder No.3 | 4738049        | 4738050         | 0.2            | Within permissible limit       | 19/06/2010  | 13/06/2011               |
| 26      | Unirose Textile Processors Pvt. Ltd.  | W-60          | Ghatnandre Feeder No.4 | 4738054        | 4738048         | 0.2            | Within permissible limit       | 19/06/2010  | 13/06/2011               |
| 27      | B. S. C. Textiles                     | W-62          |                        |                |                 |                |                                |             |                          |
| 28      | P. Vijaya Kumar                       | W-30          |                        |                |                 |                |                                |             |                          |
| 29      | B. C. Umapathy (smaller               | W-34          |                        |                |                 |                |                                |             |                          |

<sup>6</sup> Delay correction factor 0.4 % has been applied from March 2011 to Oct 2011 as calibration certificate are not available with PP.

<sup>7</sup> Delay correction factor 0.2 % has been applied for May 2011 and June 2011

<sup>8</sup> Delay correction factor 0.2 % has been applied for July 2010, Aug 2010, Aug 2011 and Sept 2011

<sup>9</sup> Delay correction factor 0.2 % has been applied for July 2010, Aug 2010, Aug 2011 and Sept 2011

<sup>10</sup> Delay correction factor 0.2 % has been applied for July 2010, Aug 2010, Aug 2011 and Sept 2011

<sup>11</sup> Delay correction factor 0.2 % has been applied for July 2010, Aug 2010, Aug 2011 and Sept 2011

| Sr. No. | Project Promoter                       | WTG Unique ID | Feeder /SS Name        | Main Meter No. | Check Meter No. | Accuracy class | Permissible Error <sup>1</sup> | Calibration |                          |
|---------|----------------------------------------|---------------|------------------------|----------------|-----------------|----------------|--------------------------------|-------------|--------------------------|
|         |                                        |               |                        |                |                 |                |                                | 2010        | 2011                     |
|         | HUF)                                   |               |                        |                |                 |                |                                |             |                          |
| 30      | P. Mohan Lal                           | W-33          |                        |                |                 |                |                                |             |                          |
| 31      | S. K. Veerbhadrappa & Co               | W-04          |                        |                |                 |                |                                |             |                          |
| 32      | SreeVeerbhadrashwara Rice & Flour Mill | W-47          |                        |                |                 |                |                                |             |                          |
| 33      | GEM Lab. Pvt. Ltd.                     | K-252         | Walve Feeder No.1      | 4725793        | 4725788         | 0.2            | Within permissible limit       | 20/08/2010  | 17/09/2011               |
| 34      |                                        | J-119         | Jamde Feeder No.10     | 4890562        | 4863441         |                |                                |             |                          |
| 35      | Sri Anjaneya Cotton Mills Pvt. Ltd.    | K-255         | Walve Feeder No.1      | 4725793        | 4725788         | 0.2            | Within permissible limit       | 20/08/2010  | 17/09/2011 <sup>12</sup> |
| 36      |                                        | K-261         |                        |                |                 |                |                                |             |                          |
| 37      | Harshita Sales Corporation             | W-54          | Ghatnandre Feeder No.4 | 4738054        | 4738048         | 0.2            | Within permissible limit       | 19/06/2010  | 13/06/2011               |
| 38      | Ushahkal Nursing Home                  | W-15          | Ghatnandre Feeder No.4 |                |                 |                |                                |             |                          |
| 39      | Mahabal Auto Ancillaries Pvt. Ltd      | G-360         | Ghatnandre feeder NO.2 | 4738052        | 4738053         | 0.2            | Within permissible limit       | 29/11/2010  | 15/06/2011               |
| 40      | Mahabal Metals Pvt. Ltd                | K-536         | Nandurbar Feeder No. 2 | 4860905        | 4890568         | 0.2            | Within permissible limit       | 20/08/2010  | 17/09/2011 <sup>13</sup> |
| 41      | MahalaxmiInfraprojects Limited         | K-340         | Jamde feeder No. 8     | 4738079        | 4738067         |                |                                |             |                          |
| 42      | Agarwal Packaging Pvt. Ltd.            | G-206         | Savlaj II              | 4725819        | 4725818         | 0.2            | NA                             | 29/06/2010  | NA <sup>14</sup>         |
| 43      |                                        | GP-36         | Shirashi               | 4948749        | 4948748         | 0.2            | Within permissible limit       | 28/05/2010  | 20/06/2011 <sup>15</sup> |
| 44      | Choudhary Exports                      | J-082         | Jamde feeder No. 02    | 4890558        | 4725804         | 0.2            | Within permissible             | 20/08/2010  | 17/09/2011 <sup>16</sup> |

<sup>12</sup> Delay correction factor 0.2 % has been applied for July 2010, Aug 2010, Aug 2011 and Sept 2011

<sup>13</sup> Delay correction factor 0.2 % has been applied for July 2010, Aug 2010, Aug 2011 and Sept 2011

<sup>14</sup> Delay correction factor 0.4 % has been applied from June 2011 to Oct 2011 as calibration certificate are not available with PP.

<sup>15</sup> Delay correction factor 0.2 % has been applied for May 2011 and June 2011

<sup>16</sup> Delay correction factor 0.2 % has been applied for July 2010, Aug 2010, Aug 2011 and Sept 2011

| Sr. No. | Project Promoter                       | WTG Unique ID | Feeder /SS Name    | Main Meter No. | Check Meter No. | Accuracy class | Permissible Error <sup>1</sup> | Calibration |                          |
|---------|----------------------------------------|---------------|--------------------|----------------|-----------------|----------------|--------------------------------|-------------|--------------------------|
|         |                                        |               |                    |                |                 |                |                                | 2010        | 2011                     |
|         |                                        |               |                    |                |                 |                | limit                          |             |                          |
| 45      | Runwal Developers Pvt. Ltd.            | K-6           | Jaitane S/S        | 4890619        | -               | 0.2            | NA                             | NA          | NA <sup>17</sup>         |
| 46      |                                        | K-12          | Sakri -II          | 4890618        | 4890561         |                |                                |             |                          |
| 47      | Kulkarni Power Tools Ltd.              | J 078         | Jamde feeder No.06 | 4725778        | 4725803         | 0.2            | Within permissible limit       | 20/08/2010  | 17/09/2011 <sup>18</sup> |
| 48      | Jsons Fountry Private Limited          | 1445          |                    |                |                 | 0.2            | NA                             |             |                          |
| 49      |                                        |               |                    |                |                 |                |                                |             |                          |
| 50      |                                        |               |                    |                |                 |                |                                |             |                          |
| 51      |                                        |               | NA                 | 4721937        | NA              |                |                                | NA          | NA <sup>19</sup>         |
| 52      |                                        |               |                    |                |                 |                |                                |             |                          |
| 53      |                                        |               |                    |                |                 |                |                                |             |                          |
| 54      |                                        | 2159          | NA                 | 4865364        | NA              |                |                                |             |                          |
| 55      | Western Precicast Pvt. Ltd             | 2163          | NA                 | 4865487        | NA              | 0.2            | NA                             | NA          | NA <sup>20</sup>         |
| 56      | P.M.P. Textiles Spinning Mills Limited | 497           | NA                 | 2369490        | NA              |                |                                |             |                          |
| 57      | RCR Eco-Power                          | 1163          | NA                 | 4691173        | NA              | 0.5            | NA                             | NA          | NA <sup>21</sup>         |
| 58      |                                        |               |                    |                |                 |                |                                |             |                          |
| 59      |                                        | 1202          | NA                 |                | NA              |                |                                |             |                          |
| 60      |                                        | 2156          | NA                 | 4863679        | NA              |                |                                |             |                          |
| 61      |                                        | 2442          | NA                 | 4889996        | NA              |                |                                |             |                          |
| 62      | S.K.Parikh (Shankarlal)                | 2149          | NA                 | 4865454        | NA              | 0.5            | NA                             | NA          | NA <sup>22</sup>         |
| 63      | B. S. C. Textiles                      | 1870          | NA                 | 4804657        | NA              | 0.5            | NA                             | NA          | NA <sup>23</sup>         |
| 64      |                                        | 1871          | NA                 | 4804511        |                 |                |                                |             |                          |
| 65      |                                        | 2116          | NA                 | 4863797        |                 |                |                                |             |                          |
| 66      | P. Vijaya Kumar                        | 1904          | NA                 | 4804768        | NA              | 0.5            | NA                             | NA          | NA <sup>24</sup>         |
| 67      |                                        | 1496          |                    | 4721812        |                 |                |                                |             |                          |

<sup>17</sup> Delay correction factor 0.4 % has been applied for July 2010 to Oct 2011 as calibration certificate are not available with PP.

<sup>18</sup> Delay correction factor 0.2 % has been applied for Aug 2010, Aug 2011 and Sept 2011

<sup>19</sup> Credit Report and Invoice are not available with PP. hence we consider the ZERO.

<sup>20</sup> Credit Report and Invoice are not available with PP. hence we consider the ZERO.

<sup>21</sup> Delay correction factor 1.0 % has been applied for July 2010 to Oct 2011 as calibration certificate are not available with PP.

<sup>22</sup> Delay correction factor 1.0 % has been applied for July 2010 to Oct 2011 as calibration certificate are not available with PP.

<sup>23</sup> Delay correction factor 1.0 % has been applied for July 2010 to Oct 2011 as calibration certificate are not available with PP.

<sup>24</sup> Delay correction factor 1.0 % has been applied for July 2010 to Oct 2011 as calibration certificate are not available with PP.

| Sr. No. | Project Promoter                                  | WTG Unique ID | Feeder /SS Name | Main Meter No. | Check Meter No. | Accuracy class | Permissible Error <sup>1</sup> | Calibration |                          |
|---------|---------------------------------------------------|---------------|-----------------|----------------|-----------------|----------------|--------------------------------|-------------|--------------------------|
|         |                                                   |               |                 |                |                 |                |                                | 2010        | 2011                     |
| 68      | O. B. Agarwal                                     | 2147          | NA              | 4865447        | NA              | 0.5            | NA                             | NA          | NA <sup>25</sup>         |
| 69      | Radha-Mohan Processors                            | 1872          | NA              | 4804510        | NA              | 0.5            | NA                             | NA          | NA <sup>26</sup>         |
| 70      | Swadeshi Dyeing & Bleaching Mills Private Limited | 1875          | NA              | 4804507        | NA              | 0.5            | NA                             | NA          | NA <sup>27</sup>         |
| 71      | B. S. Channabasappa & Sons                        | 1874          | NA              | 4804611        | NA              | 0.5            | NA                             | NA          | NA <sup>28</sup>         |
| 72      |                                                   | 1873          |                 | 4804616        |                 |                |                                |             |                          |
| 73      |                                                   | 2117          |                 | 8040602        |                 |                |                                |             |                          |
| 74      | P. Mohan Lal                                      | 1740          | NA              | 4726644        | NA              | 0.5            | NA                             | NA          | NA <sup>29</sup>         |
| 75      |                                                   | 1505          |                 | 4721936        |                 |                |                                |             |                          |
| 76      | Operational Energy group India (P) Pvt Ltd        | 1242          | NA              | 4691343        | NA              | 0.5            | Within permissible limit       | 20/11/2009  | 30/12/2011 <sup>30</sup> |
| 77      |                                                   |               |                 |                |                 |                |                                |             |                          |
| 78      | Mahalingashetty & Co. Ltd.                        | D 62          | NA              | 4881023        | NA              | 0.5            | Within permissible limit       | NA          | 04/12/2010 <sup>31</sup> |
| 79      | Sri Venkatachalapathy Spinning Mills Pvt. Ltd.    | 1602          | NA              | TNBO3937       | NA              | 0.5            | Within permissible limit       | 30/11/2009  | 09/12/2010 <sup>32</sup> |
| 80      |                                                   | 1693          |                 | 4955010        |                 |                |                                | 22/08/2009  |                          |
| 81      | Choudhary Exports                                 | 1191          | NA              | 4726626        | NA              | 0.5            | Within permissible limit       | 11/11/2009  | 22/02/2012 <sup>33</sup> |

<sup>25</sup> Delay correction factor 1.0 % has been applied for July 2010 to Oct 2011 as calibration certificate are not available with PP.

<sup>26</sup> Delay correction factor 1.0 % has been applied for July 2010 to Oct 2011 as calibration certificate are not available with PP.

<sup>27</sup> Delay correction factor 1.0 % has been applied for July 2010 to Oct 2011 as calibration certificate are not available with PP.

<sup>28</sup> Delay correction factor 1.0 % has been applied for July 2010 to Oct 2011 as calibration certificate are not available with PP.

<sup>29</sup> Delay correction factor 1.0 % has been applied for July 2010 to Oct 2011 as calibration certificate are not available with PP.

<sup>30</sup> Delay correction factor 1.0 % has been applied for Nov 2010 to Oct 2011 as calibration certificate are not available with PP.

<sup>31</sup> Delay correction factor 1.0 % has been applied for July 2010 to Dec 2010 as calibration certificate are not available with PP.

<sup>32</sup> Delay correction factor 0.5 % has been applied for Nov 2010 and Dec 2010.

<sup>33</sup> Delay correction factor 1.0 % has been applied for Nov 2010 to Oct 2011 as calibration certificate are not available with PP.

| Sr. No. | Project Promoter              | WTG Unique ID       | Feeder /SS Name | Main Meter No. | Check Meter No. | Accuracy class | Permissible Error <sup>1</sup> | Calibration |                          |
|---------|-------------------------------|---------------------|-----------------|----------------|-----------------|----------------|--------------------------------|-------------|--------------------------|
|         |                               |                     |                 |                |                 |                |                                | 2010        | 2011                     |
| 82      | Ramraj Handlooms              | 1176                | NA              | 4863795        | NA              | 0.5            | Within permissible limit       | NA          | 31/03/2012 <sup>34</sup> |
| 83      |                               | 1057                |                 | 4954285        |                 |                |                                |             | 02/04/2012 <sup>35</sup> |
| 84      |                               | 1961                |                 | 4804665        |                 |                |                                | 20/10/2010  | 10/03/2012 <sup>36</sup> |
| 85      | N. Sumati                     | 401                 | NA              | 4889952        | NA              | 0.5            | Within permissible limit       | NA          | NA <sup>37</sup>         |
| 86      | K. R. Nagarajan               | 400                 | NA              | 4691183        | NA              | 0.5            | Within permissible limit       | NA          | NA <sup>38</sup>         |
| 87      | Air Control (India) Pvt. Ltd. | SEL/600/07-08/0906  | Kuchhadi        | GJB01104       | NA              | 0.2            | NA                             | 15/06/2010  | NA <sup>39</sup>         |
| 88      | Badawe Engineers Pvt. Ltd.    | SEL/600/07-08/0922  | Kuchhadi        | GJB01099       | NA              | 0.2            | NA                             | 14/06/2009  | 08/07/2011 <sup>40</sup> |
| 89      | Pragati Glass Pvt. Ltd.,      | SEL/1250/06-07/0237 | Gandhvi         | GJU03922       | NA              | 0.2            | NA                             | NA          | 03/07/2011 <sup>41</sup> |
| 90      | Siddharth Infra Tech Pvt. Ltd | SEL/600/07-08/0904  | Kuchhadi        | GJB01101       | NA              | 0.2            | NA                             | 14/06/2009  | 08/07/2011 <sup>42</sup> |
| 91      | Agarwal Enterprises           | SEL/600/07-08/0979  | Kuchhadi        | GJB 01392      | NA              | 0.2            | NA                             | 16/06/2009  | 11/07/2011 <sup>43</sup> |
| 92      |                               | SEL/600/07-08/0980  |                 | GJB 01449      |                 |                |                                |             |                          |
| 93      | Unique Sugars Ltd.            | SEL/1500/06-07/0441 | NaniKhahar      | GJB 01538      | NA              | 0.2            | NA                             | 15/07/2010  | 06/06/2011 <sup>44</sup> |
| 94      | Jaychandra Agro               | SEL/600/06-         | NaniKhahar      | GJU 04509      | NA              | 0.2            | NA                             | NA          | 19/02/2011 <sup>45</sup> |

<sup>34</sup> Delay correction factor 1.0 % has been applied for July 2010 to Oct 2011 as calibration certificate are not available with PP.

<sup>35</sup> Delay correction factor 1.0 % has been applied for July 2010 to Oct 2011 as calibration certificate are not available with PP.

<sup>36</sup> Delay correction factor 1.0 % has been applied for July 2010 to Oct 2010 and Oct 2011 as calibration certificate are not available with PP.

<sup>37</sup> Delay correction factor 1.0 % has been applied for July 2010 to Oct 2011 as calibration certificate are not available with PP.

<sup>38</sup> Delay correction factor 1.0 % has been applied for July 2010 to Oct 2011 as calibration certificate are not available with PP.

<sup>39</sup> Delay correction factor 0.4 % has been applied for June 2011 to Oct 2011 as calibration certificate are not available with PP.

<sup>40</sup> Delay correction factor 0.4 % has been applied for July 2010 to July 2011 as calibration certificate are not available with PP.

<sup>41</sup> Delay correction factor 0.4 % has been applied for July 2010 to July 2011 as calibration certificate are not available with PP.

<sup>42</sup> Delay correction factor 0.4 % has been applied for July 2010 to July 2011 as calibration certificate are not available with PP.

<sup>43</sup> Delay correction factor 0.4 % has been applied for July 2010 to July 2011 as calibration certificate are not available with PP.

<sup>44</sup> Delay correction factor 0.2 % has been applied for July 2010.

| Sr. No. | Project Promoter                   | WTG Unique ID | Feeder /SS Name | Main Meter No. | Check Meter No. | Accuracy class | Permissible Error <sup>1</sup> | Calibration             |                          |
|---------|------------------------------------|---------------|-----------------|----------------|-----------------|----------------|--------------------------------|-------------------------|--------------------------|
|         |                                    |               |                 |                |                 |                |                                | 2010                    | 2011                     |
|         | Industries Pvt. Ltd.               | 07/0443       |                 |                |                 |                |                                |                         |                          |
| 95      | Shree Ram Hotels                   | J-363         | Amarsagar       | RJB 001114     | RJB 00101       | 0.2            | NA                             | 19/04/2010              | 07/03/2011               |
| 96      | ChhabraSyncotex Ltd.               | J-414         | Amarsagar       | RJU 02406      | RJU 02405       | 0.2            | NA                             | NA                      | NA <sup>46</sup>         |
| 97      |                                    | J-166         | Jaismalmer G    | RJU 02185      | RJB 00254       | 0.2            |                                | 18/04/2010              | 07/03/2011               |
| 98      |                                    | J-367         | Amarsagar       | RJB 001114     | RJB 00101       | 0.2            |                                | 19/04/2010              |                          |
| 99      | Sona Processors (India) Ltd.       | J-370         |                 | RJB 001114     | RJB 00101       | 0.2            | NA                             | 19/04/2010              | 07/03/2011               |
| 100     | Delhi Rajasthan Transport Co. Ltd. | J-141         | Amarsagar       | RJB 01150      | RJB 01149       | 0.2            | NA                             | NA                      | NA <sup>47</sup>         |
| 101     | Metro Cement and Mines Pvt. Ltd.   | J-160         | Amarsagar       | RJU 02185      | RJB 00254       | 0.2            | NA                             | 18/04/2010              | 07/03/2011               |
| 102     | SarvodayaSutings Ltd               | J-49          | Amarsagar       | RJB 001114     | RJB 00101       | 0.2            | NA                             | 19/04/2010              | 07/03/2011               |
| 103     |                                    | J-43          |                 |                |                 |                |                                |                         |                          |
| 104     | Free India Energy                  | J225          | Amarsagar       | RJB00316       | RJB00316        | 0.2            | NA                             | 20/04/2010              | NA <sup>48</sup>         |
| 105     | S C Shettar and Sons               | K-303         | Gutal           | 7041083        | 7041084         | 0.2            | NA                             | 04/06//2010, 19/11/2010 | 30/08/2011               |
| 106     | Swarna Constructions               | K-304         | Gutal           | 7041085        | 7041086         | 0.2            | NA                             | 04/06/2010              | 19/11/2010               |
| 107     | Suresh Kumar Sharma (HUF)          | K-229         | Dambal          | 6605175        | 6605176         | 0.2            | NA                             | 05/06/2010              | 16/06/2011 <sup>49</sup> |
| 108     | BEML Limited                       | K-317         | Bagewadi        | 7041078        | 7041079         | 0.2            | NA                             | 04/06/2010              | 30/08/2011 <sup>50</sup> |
| 109     |                                    | K-318         |                 |                |                 |                |                                |                         |                          |
| 110     |                                    | K-319         |                 |                |                 |                |                                |                         |                          |
| 111     |                                    | K-320         |                 |                |                 |                |                                |                         |                          |

<sup>45</sup> Delay correction factor 0.4 % has been applied for July 2010 to Feb 2011 as calibration certificate are not available with PP.

<sup>46</sup> Delay correction factor 0.4 % has been applied for July 2010 to Oct 2011 as calibration certificate are not available with PP.

<sup>47</sup> Delay correction factor 0.4 % has been applied for July 2010 to Oct 2011 as calibration certificate are not available with PP.

<sup>48</sup> Delay correction factor 0.4 % has been applied for April 2011 to Oct 2011 as calibration certificate are not available with PP.

<sup>49</sup> Delay correction factor 0.2 % has been applied for June 2011.

<sup>50</sup> Delay correction factor 0.2 % has been applied for April 2011 to Aug 2011.

Assessment team have verified the calibration certificate. In case of delayed calibration, assessment team have verified the delayed calibration as per EB52 Annex 60 “Guidelines for assessing compliance with the calibration frequency requirements” and where the calibration certificates are not available, PP has added another 0.5% and 0.2% in addition to the maximum permissible error for the conservative measure since the accuracy class of the meter represents the maximum permissible error.