

27.3 MW WIND ENERGY FARM AT MOKLA RAJASTHAN BY HZL

Document Prepared By

Hindustan Zinc Limited

Contact Information

Mr. Bhagwan Lal Ahuja

Hindustan Zinc Limited

CPP-CLZS

Chanderiya Lead Zinc Smelter, Putholi

Chittorgarh-312021, Rajasthan

Phone: +91 -9799190066

Email: bhagwan.ahuja@vedanta.co.in

Website:- www.hzlindia.com/

Project Title	27.3 MW Wind energy farm at Mokla Rajasthan by HZL
Version	02
Date of Issue	09 November -2013
Prepared By	Bhagwan Lal Ahuja
Contact	AGM (CDM Cell) CPP-CLZS Chanderiya Lead Zinc Smelter Putholi Chittorgarh-312021 Rajasthan INDIA Mob:-91-9799190066 Tele +91-1472-257950 Email: bhagwan.ahuja@vedanta.co.in Website:- www.hzlindia.com/

Table of Contents

1	Project Details	3
1.1	Summary Description of the Project	3
1.2	Sectoral Scope and Project Type.....	3
1.3	Project Proponent	3
1.4	Other Entities Involved in the Project.....	3
1.5	Project Start Date.....	3
1.6	Project Crediting Period	3
1.7	Project Scale and Estimated GHG Emission Reductions or Removals	3
1.8	Description of the Project Activity.....	4
1.9	Project Location	4
1.10	Conditions Prior to Project Initiation	5
1.11	Compliance with Laws, Statutes and Other Regulatory Frameworks.....	5
1.12	Ownership and Other Programs	5
1.12.1	Right of Use.....	5
1.12.2	Emissions Trading Programs and Other Binding Limits	6
1.12.3	Other Forms of Environmental Credit	6
1.12.4	Participation under Other GHG Programs	6
1.12.5	Projects Rejected by Other GHG Programs	6
1.13	Additional Information Relevant to the Project.....	6
2	Application of Methodology	6
2.1	Title and Reference of Methodology	7
2.2	Applicability of Methodology.....	7
2.3	Project Boundary.....	7
2.4	Baseline Scenario	7
2.5	Additionality	7
2.6	Methodology Deviations	7
3	Quantification of GHG Emission Reductions and Removals	7
3.1	Baseline Emissions	7
3.2	Project Emissions.....	7
3.3	Leakage.....	7
3.4	Net GHG Emission Reductions and Removals.....	7
4	Monitoring	7
4.1	Data and Parameters Available at Validation	7
4.2	Data and Parameters Monitored	7
4.3	Description of the Monitoring Plan	8
5	Environmental Impact.....	8
6	Stakeholder Comments	8

1 PROJECT DETAILS

1.1 Summary Description of the Project

Since the project is already registered under CDM, so as per paragraph 3.11.9 (1) of VCS Standard version 3.4, this section is not applicable.

1.2 Sectoral Scope and Project Type

According to the categorization system of the Clean Development Mechanism, which is part of Green House Gas (GHG) program that has been approved by the VCS board, the project is categorized as:

Sectoral Scope – Energy Industries (renewable/non-renewable sources).

Project Type: Renewable Energy projects

This is not a grouped project. Please refer Title page of the registered PDD. The web link for the same is mentioned below:

<http://cdm.unfccc.int/Projects/DB/DNV-CUK1351155785.18/view>.

1.3 Project Proponent

Organization name	Hindustan Zinc Limited
Contact person	Mr. Bhagwan Lal Ahuja
Title	AGM (CDM Cell)
Address	Chanderiya Lead Zinc Smelter Putholi Chittorgarh-312021 Rajasthan INDIA
Telephone	+91-9799190066
Email	bhagwan.ahuja@vedanta.co.in

1.4 Other Entities Involved in the Project

No other entities other than Hindustan Zinc Limited are involved.

1.5 Project Start Date

29/09/2011, date of commissioning of first WTG

1.6 Project Crediting Period

Start date of crediting period for VCS verification: 29/09/2011 (Date of commissioning of first WTG)

End date of crediting period for VCS verification: 30/11/2012 (Date one day prior to the start date of crediting period of CDM project activity)

Total no of years of crediting period under VCS is 1.17 years.

1.7 Project Scale and Estimated GHG Emission Reductions or Removals

The crediting period for the project is 29th September 2011 to 30rd November 2012. Please refer Section A.6.3 of the registered PDD. The web link for the same is mentioned below:

<http://cdm.unfccc.int/Projects/DB/DNV-CUK1351155785.18/view>

Project Scale	
Project	Project activity falls under this category as estimated GHG emission reduction are below 300,000 tones of CO ₂ e per year as shown in below table.
Large project	Not applicable

Years	Estimated GHG emission reductions or removals (tCO ₂ e)
Year 1 (2013)	2516.17
Year 2 (2014)	40618.60
Total estimated ERs	43134.77
Total number of crediting years	2
Average annual ERs	44627

1.8 Description of the Project Activity

As per paragraph 3.11.9 (1) of VCS Standard version 3.4, this section is not applicable.

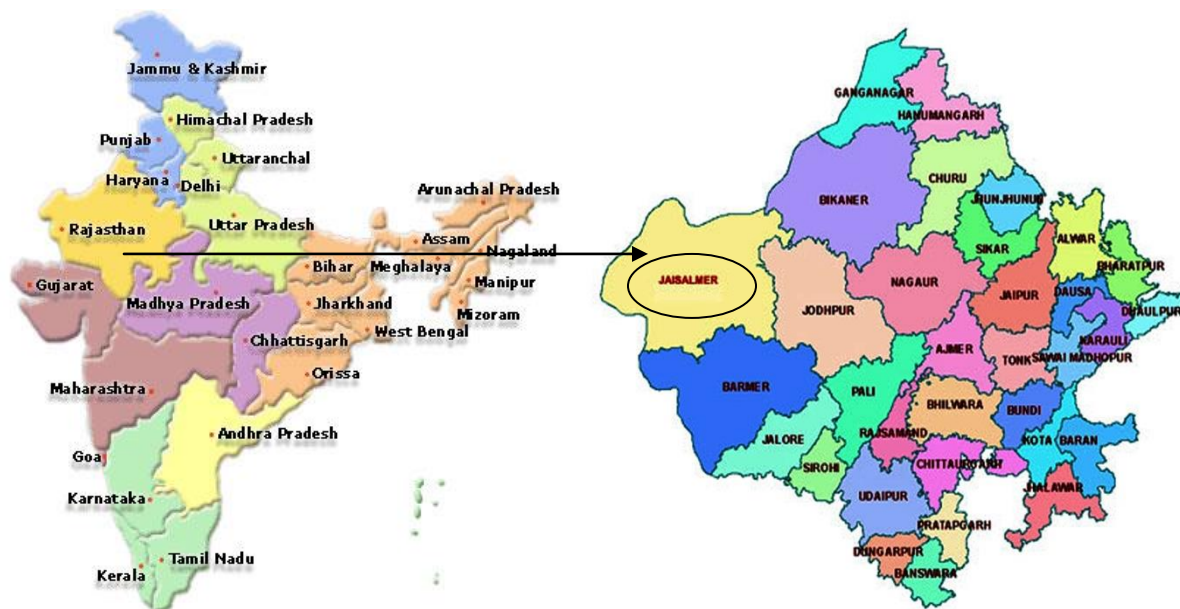
1.9 Project Location

The WTGs in the project activity are located in **Villages** :Sonu, Mokla, Serawa & Habur

District:- Jaisalmer , **State**:- Rajasthan, India

The details of the Unique Geo Coordinated of the WTGs in the project activity are:

Sr. No.	WTG. No.	Latitude	Longitude
1	MK221	N27 15 09.6	E70 39 49.8
2	MK44	N27 10 46.2	E70 40 02.3
3	MK29	N27 07 46.5	E70 46 38.1
4	MK23	N27 08 29.6	E70 44 03.6
5	MK216	N27 14 36.9	E70 41 12.8
6	MK217	N27 14 43.6	E70 40 55.1
7	MK31	N27 08 27.5	E70 45 52.8
8	SKD186	N27 12 32.1	E70 37 03.6
9	MK178	N27 14 14.6	E70 40 29.1
10	MK179	N27 14 08.7	E70 40 49.1
11	MK180	N27 14 02.0	E70 41 06.7
12	MK181	N27 13 55.4	E70 41 24.5
13	MK215	N27 14 30.3	E70 41 30.4



1.10 Conditions Prior to Project Initiation

This is a Greenfield project. The project activity replaces the carbon intensive grid electricity. Thereby reducing the dependence on fossil fuel based generation units and as there are no associated emissions with this project it contributes to the reduction of green house gases (GHG) emissions.

Please refer section A.2 and B.4 of the registered PDD¹.

1.11 Compliance with Laws, Statutes and Other Regulatory Frameworks

The project activity is not mandated by any local or national laws. Please refer UNFCCC registered CDM project with Ref No: 7873

1.12 Ownership and Other Programs

1.12.1 Right of Use

For the ownership details of the project any of the following may be referred to:

- Commissioning certificates issued by Office of the Superintending Engineer (RDPPC) Jaipur Discom, 400KV GSS control room ,ground floor ,Heerapura
- Power purchase agreement signed between Hindustan Zinc Limited and Ajmer Vidyut Vitran Nigam Limited.

¹ <http://cdm.unfccc.int/Projects/DB/DNV-CUK1351155785.18/view>

1.12.2 Emissions Trading Programs and Other Binding Limits

This project activity is voluntary initiative of HZL and it is not to meet any local laws or regulatory compliances. HZL has submitted an undertaking that they shall not claim for GHG emission reduction credits for the given period (29/09/11 – 30/11/12) under any other emission trading program

1.12.3 Other Forms of Environmental Credit

The project activity generates Carbon Credits under Clean Development Mechanism (Ref.No:7873) from 01/12/2012 ; however the VCUs that are claimed are from the date of commissioning till 30 /11/2012 since, the project is registered on 01/11/2012 but the crediting period under CDM starts only on 01/12/2012. We hereby confirm that the project activity does not result in creation of another form of environmental credit during the period for which VCUs are claimed.

1.12.4 Participation under Other GHG Programs

This is registered CDM project. The reference no. for the project is 7873 and it was registered on 01th November 2012. Please refer to the registered PDD. The web link for the same is mentioned below: <http://cdm.unfccc.int/Projects/DB/DNV-CUK1351155785.18/view>

1.12.5 Projects Rejected by Other GHG Programs

This project has not been rejected by any other GHG program. It is registered CDM project and the emission reductions are being claimed for the pre-registration period.

1.13 Additional Information Relevant to the Project

Eligibility Criteria

This is not a grouped project hence the criteria is not applicable.

Leakage Management

No leakage emissions are considered for this Project activity since no energy generating equipment is transferred from another activity and/or the existing equipment is transferred to another activity. Please refer section B.6.1. of the registered PDD².

Commercially Sensitive Information

There is no such information which is deemed as commercially sensitive.

Further Information

Not applicable

2 APPLICATION OF METHODOLOGY

The project activity is already registered under UNFCCC hence, as per paragraph 3.11.9 (1) of VCS Standard version 3.4 , this section is not applicable.

² <http://cdm.unfccc.int/Projects/DB/DNV-CUK1351155785.18/view>

2.1 Title and Reference of Methodology

2.2 Applicability of Methodology

2.3 Project Boundary

2.4 Baseline Scenario

2.5 Additionality

2.6 Methodology Deviations

3 QUANTIFICATION OF GHG EMISSION REDUCTIONS AND REMOVALS

The project activity is already registered under UNFCCC hence, as per paragraph 3.11.9 (1) of VCS Standard version 3.4 , this section is not applicable.

3.1 Baseline Emissions

3.2 Project Emissions

3.3 Leakage

3.4 Net GHG Emission Reductions and Removals

4 MONITORING

4.1 Data and Parameters Available at Validation

4.2 Data and Parameters Monitored

Data / Parameter	
Data unit	
Description	
Source of data	
Description of measurement methods and procedures to be applied	
Frequency of monitoring/recording	
Value applied:	
Monitoring equipment	

QA/QC procedures to be applied	
Purpose of data	
Calculation method	
Comments	

4.3 Description of the Monitoring Plan

. The project activity is already registered under UNFCCC hence, as per para 3.11.9 (1) of VCS Standard version 3.4, this section is not applicable.

5 ENVIRONMENTAL IMPACT

The project activity is already registered under UNFCCC hence ,as per para 3.11.9 (1) of VCS Standard version 3.4 , this section is not applicable.

6 STAKEHOLDER COMMENTS

The project activity is already registered under UNFCCC hence ,as per para 3.11.9 (1) of VCS Standard version 3.4 , this section is not applicable.