

15 MW Solar Photovoltaic Power Project at Gujarat

Document Prepared By: EKI Energy Services Limited

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1 PROJECT DETAILS

1.1 Summary Description of the Project

Not Applicable

1.2 Sectoral Scope and Project Type

According to the categorisation 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 categorised as:

- **Type I:** Renewable energy projects
- **Category:** Grid connected renewable electricity generation – AMS I.D., version 17
- This is not a grouped project. Please refer section A.6 of the registered PDD. The web link for the same is mentioned below:

<https://cdm.unfccc.int/Projects/DB/BVQI1355214849.13/view>

1.3 Project Proponent

Organization name	ACME Solar Technologies (Gujarat) Private Limited
Contact person	Mr. Sandeep Gupta
Title	Director
Address	Plot No. 48, Sector-5, IMT Manesar, Gurgaon, Haryana, 122050
Telephone	+91-124-4817000
Email	sandeep.gupta@acme.in

1.4 Other Entities Involved in the Project

Organization name	EKI Energy Services Limited
Role in the project	Project Consultant
Contact person	Mr. Manish Dabkara
Title	MD & CEO
Address	Office No. 201, EnKing Embassy Plot No. 48, Scheme No. 78 Part II, Vijay Nagar INDORE – 452010
Telephone	+91-731-4289086
Email	manish@enkingint.org

1.5 Project Start Date

The project start date for this project is 13/03/2012. This is the day on which the project activity was commissioned.

1.6 Project Crediting Period

The project crediting period shall be a maximum of ten years which will be renewed at most twice. Project commissioned on 13/03/2012 hence start date of PRE-CDM VCS monitoring period is 13/03/2012.

Hence VCS first crediting period is from 13/03/2012 to 12/03/2022.

1.7 Project Scale and Estimated GHG Emission Reductions or Removals

The project does not falls under large scale category since the emission reductions are less than 300,000 tCO₂ e per annum

Project Scale	
Project	X
Large project	

Year	Estimated GHG emission reductions or removals (tCO ₂ e)
Year 1	24,520
Year 2	24,520
Year 3	24,520
Year 4	24,520
Year 5	24,520
Year 6	24,520
Year 7	24,520
Year 8	24,520
Year 9	24,520
Year 10	24,520
Total estimated ERs	245,200
Total number of crediting years	10
Average annual ERs	24,520

1.8 Description of the Project Activity

Not Applicable

1.9 Project Location

Host Party : India
 Region : Western
 State : Gujarat
 District : Anand,
 Village : Wadgam
 Taluka : Khambhat

The co-ordinates of project activity are as below

Latitude: 22° 19' 12" North

Longitude: 72° 25' 48" East

The site of the proposed PV power plant is on fairly flat land located in village Wadgam approximately 20 km from the Tehsil Khambhat, 60 km from the town of Anand and 86km from Ahmedabad in Gujarat. It lies at an altitude of approximately 6m, above mean sea level. The nearest airport is Ahmedabad. National Highways NH8A and NH8 pass from approximately 43km and 53km respectively from the selected site. State highway connecting Khambhat and Bhaunagar lies 14 km from site. Site is well connected by an internal road suitable for transport of heavy equipment.

The below is location map for the project activity



1.10 Conditions Prior to Project Initiation

This is a Greenfield project. The project activity replaces the carbon intensive grid electricity. The proposed project activity effectively utilises renewable solar energy to generate electricity which will be feed into the coal intensive NEWNE Grid. Thereby the project activity reduces the dependence on fossil fuel based generation units and as there are no associated emissions with this project it contributes to the reduction of greenhouse gases (GHG) emissions.

Please refer section B.4 of the registered PDD. The web link for the same is mentioned below:
<https://cdm.unfccc.int/Projects/DB/BVQI1355214849.13/view>

1.11 Compliance with Laws, Statutes and Other Regulatory Frameworks

Not Applicable

1.12 Ownership and Other Programs

1.12.1 Proof of Title

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

1. Power Purchase Agreement between the project promoters and State Utility.
2. Commissioning certificates

1.12.2 Emissions Trading Programs and Other Binding Limits

The project is registered under CDM and UNFCCC¹ (Registration ID - 8671). The project is also approved by the DNA and a copy of the approval is also submitted to the DOE. Project Proponent has submitted undertaking that they will not claim same GHG emission reductions of the project from CDM and VCS. PP would not use net GHG emission reductions by the projects for compliance with emission trading program to meet binding limits on GHG emissions.

1.12.3 Other Forms of Environmental Credit

Project has been registration with UNFCCC under Clean Development Mechanism program.

Registration reference number is 8671. Project Proponent has submitted undertaking for not availing other forms of environmental credit for the same crediting period under consideration.

1.12.4 Participation under Other GHG Programs

Project has been registration with UNFCCC under Clean Development Mechanism program,

Registration reference number is 8671. PP also submitted undertaking for Project neither has not intends to generate any form of GHG related environmental credit for GHG emission reductions or removals claimed under the VCS program.

1.12.5 Projects Rejected by Other GHG Programs

Not Applicable.

1.13 Additional Information Relevant to the Project

Eligibility Criteria

The project does not fall under Grouped project category, hence not applicable.

Leakage Management

Project does not involve any leakage emissions as this is wind power project, Hence Leakage Management Plan and risk mitigation measures are not required.

Commercially Sensitive Information

¹ <https://cdm.unfccc.int/Projects/DB/BV/QI1355214849.13/view>

There is no commercially sensitive information accounted for the determination of baseline, net GHG removals and for demonstration of additionality for the present project activity.

Further Information

There are no information or incidents that will have bearing on the eligibility of the project, the net GHG emission reductions or removals, or the quantification of the project's net GHG emission reductions or removals

2 APPLICATION OF METHODOLOGY

2.1 Title and Reference of Methodology

Not Applicable.

2.2 Applicability of Methodology

2.3 Project Boundary

Not Applicable.

2.4 Baseline Scenario

Not Applicable.

2.5 Additionality

Not Applicable

2.6 Methodology Deviations

Not Applicable

3 QUANTIFICATION OF GHG EMISSION REDUCTIONS AND REMOVALS

3.1 Baseline Emissions

Not Applicable

3.2 Project Emissions

3.3 Leakage

Not Applicable

3.4 Net GHG Emission Reductions and Removals

Not Applicable

4 MONITORING

4.1 Data and Parameters Available at Validation

Not Applicable

4.2 Data and Parameters Monitored

Not Applicable

4.3 Monitoring Plan

Not Applicable

5 ENVIRONMENTAL IMPACT

Not Applicable

6 STAKEHOLDER COMMENTS

Not Applicable.