

SOLAR PV POWER PROJECT BY ROHA DYECHM PVT. LTD. (EKIESL.CDM.AUG-11-02)

Document Prepared By First Climate (India) Private Limited

Contact Information

Project Title	Solar PV power project by Roha Dyechem Pvt. Ltd. (EKIESL.CDM.Aug-11-02)
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1 PROJECT DETAILS

1.1 Summary Description of the Project

Completion of this section is not mandatory as per the latest version of VCS Standard (Version 3.3 hereafter referred to as VCS Standard) since the proposed project activity is registered under CDM. For detailed description of the project activity please refer Section A.3 of the registered PDD¹ of the project activity.

1.2 Sectoral Scope and Project Type

Sectoral scope: Energy industries (renewable - / non-renewable sources)

Project Type: I - Renewable Energy Projects

1.3 Project Proponent

Party involved (host) indicates a host Party	Private and/or public entity(ies) project proponent (as applicable)	Indicate if the Party involved wishes to be considered as project proponent (Yes/No)
India (host)	Roha Dyechem Pvt. Ltd. (Private entity)	No
India (host)	First Climate (India) Private Limited (Private entity)	No

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¹ http://cdm.unfccc.int/Projects/DB/KBS_Cert1348557135.31/view

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The project proponent shall maintain all the monitoring equipment. The proponents shall record the data and shall make the data available to the DOE during validation and verification.

1.4 Other Entities Involved in the Project

Not Applicable

1.5 Project Start Date

The start date of the project is 04-March-2012 which coincides with the commissioning date of the project activity.

1.6 Project Crediting Period

The crediting period details are provided below:

Crediting Period Number	Crediting Period Start Date	Crediting Period End Date	Duration of Crediting Period
1	04-March-2012	03-March-2022	10 years 00 months
2	04-March-2022	03-March-2032	10 years 00 months
3	04-March-2032	29-December-2033	1 year 10 months(End date of CDM crediting period)

However, for a specific monitoring period during the crediting period, the issue of double counting shall be addressed in the form of an undertaking by the project proponent.

1.7 Project Scale and Estimated GHG Emission Reductions or Removals

Project	
Large project	√

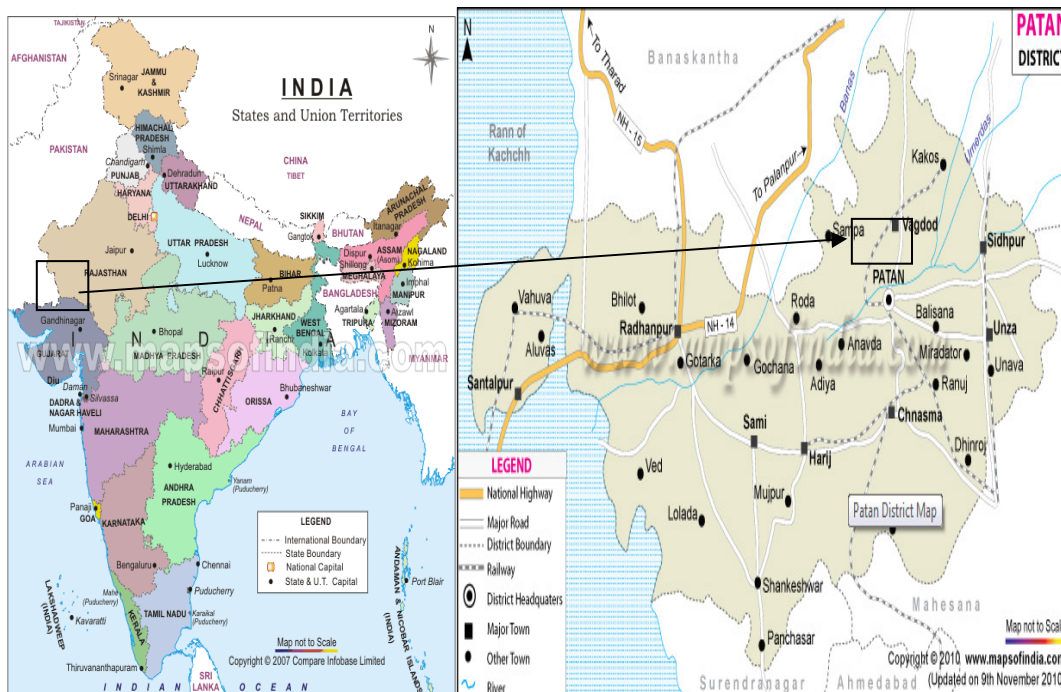
Years	Estimated GHG emission reductions or removals (tCO ₂ e)
Year 1	37473
Year 2	37098
Year 3	36727
Year 4	36360
Year 5	35996
Year 6	35636
Year 7	35280
Year 8	34927
Year 9	34578
Year 10	34232
Total estimated ERs	3,58,307
Total number of crediting years	10
Average annual ERs	35830

1.8 Description of the Project Activity

Completion of this section is not mandatory as per the latest version of VCS Standard (Version 3.3 hereafter referred to as VCS Standard) since the proposed project activity is registered under CDM. For detailed description of the project activity please refer Section A.1 of the registered PDD² of the project activity.

1.9 Project Location

Village	Taluka	District	State	Latitude	Longitude
Charanka	Santalpur	Patan	Gujarat	23° 53' 59" N	71° 12' 01" E



1.10 Conditions Prior to Project Initiation

As per the guidance of ACM0002, if the project activity is the installation of a new grid – connected renewable power plant/unit, the baseline scenario is the following:

“Electricity delivered to the grid by the project activity would have otherwise been generated by the operation of grid-connected power plants and by the addition of new generation sources, as reflected in the combined margin (CM) calculations described in the “Tool to Calculate the Emission Factor for an Electricity System”³.

Therefore, the proposed project activity primarily implemented for power generation and not with a purpose to create GHG emissions and their subsequent reduction, removal or destruction

1.11 Compliance with Laws, Statutes and Other Regulatory Frameworks

² http://cdm.unfccc.int/Projects/DB/KBS_Cert1348557135.31/view

³ <http://cdm.unfccc.int/methodologies/PAMethodologies/tools/am-tool-07-v2.2.1.pdf>

Completion of this section is not mandatory as per the latest version of VCS Standard (Version 3.3 hereafter referred to as VCS Standard) since the proposed project activity is registered under CDM. For detailed description of the project activity please refer Section B.5 of the registered PDD⁴ of the project activity.

1.12 Ownership and Other Programs

1.12.1 Right of Use

The Designed National Authority (DNA) of India, which is within the Ministry of the Environment & Forests (MoEF) has issued a Letter of Authorization (LoA) showing that the project proponent as stated in the section 1.3 is the owner of the project and that the proposed project activity will generate a reduction of GHG emission under the Kyoto Protocol.

1.12.2 Emissions Trading Programs and Other Binding Limits

The project has not participated in any Emissions Trading Programs and Other Binding Limits prior to the CDM registration date. The related emission reductions have not and will not be claimed under any other GHG programs.

1.12.3 Participation under Other GHG Programs

The project has been registered as CDM. The details are presented below.

Registration date: 26-December-2012

UNFCCC reference number: 7442.

1.12.4 Other Forms of Environmental Credit

The project has been purely taken up as CDM project and has not been applied for any other form of environmental credit. However, for a specific monitoring period during the crediting period, the issue of double counting shall be addressed in the form of an undertaking by the project proponent.

1.12.5 Projects Rejected by Other GHG Programs

The project has not been rejected by other GHG Programs.

1.13 Additional Information Relevant to the Project

Eligibility Criteria

Not applicable since the proposed project activity is not a grouped project

Leakage Management

⁴ http://cdm.unfccc.int/Projects/DB/KBS_Cert1348557135.31/view

According to CDM methodology ACM0002 (which has been applied by the proposed project activity), there are no leakage emissions for the proposed project.

Commercially Sensitive Information

There is no commercially sensitive information for the project

Further Information

The proposed project activity is particularly contributing to the improvement of the local community along the four pillars of the sustainable development:

A - Environmental benefits:

The project being a renewable energy power project would contribute to mitigation of global warming. Also the project activity also would not lead to any air pollution unlike fossil fuel based power plants.

B - Social benefits

The project activity has led to employment generation during installation as well as operation phase of the project activity.

C - Economic benefits

The project implementation has provided a fillip to economic activity in the region. Direct & indirect employment has been generated in the plant for the project implementation & management. The success of this project will encourage more business to be developed in the local region thus bringing in economic prosperity in the region

D - Technological benefits

The project activity involves installation of a 25 MW solar photovoltaic power plant. This is one of the first solar power plants of this scale in this India. Thus the project activity will lead to technological up-gradation in the solar energy generation market.

2 APPLICATION OF METHODOLOGY

2.1 Title and Reference of Methodology

Completion of this section is not mandatory as per the latest version of VCS Standard (Version 3.3 hereafter referred to as VCS Standard) since the proposed project activity is registered under CDM. For detailed description of the project activity please refer Section B.1 of the registered PDD⁵ of the project activity

⁵ http://cdm.unfccc.int/Projects/DB/KBS_Cert1348557135.31/view

2.2 Applicability of Methodology

Completion of this section is not mandatory as per the latest version of VCS Standard (Version 3.3 hereafter referred to as VCS Standard) since the proposed project activity is registered under CDM. For detailed description of the project activity please refer Section B.2 of the registered PDD⁶ of the project activity

2.3 Project Boundary

Completion of this section is not mandatory as per the latest version of VCS Standard (Version 3.3 hereafter referred to as VCS Standard) since the proposed project activity is registered under CDM. For detailed description of the project activity please refer Section B.3 of the registered PDD⁷ of the project activity

2.4 Baseline Scenario

Completion of this section is not mandatory as per the latest version of VCS Standard (Version 3.3 hereafter referred to as VCS Standard) since the proposed project activity is registered under CDM. For detailed description of the project activity please refer Section B.4 of the registered PDD⁸ of the project activity

2.5 Additionality

Completion of this section is not mandatory as per the latest version of VCS Standard (Version 3.3 hereafter referred to as VCS Standard) since the proposed project activity is registered under CDM. For detailed description of the project activity please refer Section B.5 of the registered PDD⁹ of the project activity

2.6 Methodology Deviations

Completion of this section is not mandatory as per VCS Standard since the proposed project activity is validated under the CDM program. The registered PDD has not applied for any methodology deviations.

3 QUANTIFICATION OF GHG EMISSION REDUCTIONS AND REMOVALS

3.1 Baseline Emissions

Average annual baseline emissions from the project activity in the first renewable crediting period of 7 years are 36,367 tons of CO₂. For further detail please refer to the Section B.6.1 of the registered PDD of the proposed project activity¹⁰

⁶ http://cdm.unfccc.int/Projects/DB/KBS_Cert1348557135.31/view

⁷ http://cdm.unfccc.int/Projects/DB/KBS_Cert1348557135.31/view

⁸ http://cdm.unfccc.int/Projects/DB/KBS_Cert1348557135.31/view

⁹ http://cdm.unfccc.int/Projects/DB/KBS_Cert1348557135.31/view

¹⁰ http://cdm.unfccc.int/Projects/DB/KBS_Cert1348557135.31/view

3.2 Project Emissions

The project emission is zero. For further detail please refer to the Section B.6.1 of the registered PDD of the proposed project activity¹¹

3.3 Leakage

The leakage emission is zero. For further detail please refer to the Section B.6.1 of the registered PDD of the proposed project activity¹²

3.4 Summary of GHG Emission Reductions and Removals

The net annual average emissions reductions from the project activity during the first crediting period are 36,367 tons of CO₂. For further detail please refer to the Section B.6.1 of the registered PDD of the proposed project activity¹³

4 MONITORING

4.1 Data and Parameters Available at Validation

Completion of this section is not mandatory as per VCS Standard since the proposed project activity is validated under the CDM program. The content of this paragraph is detailed in the Section B.6.2 of the registered PDD of the proposed project activity¹⁴

4.2 Data and Parameters Monitored

Completion of this section is not mandatory as per VCS Standard since the proposed project activity is validated under the CDM program. The content of this paragraph is detailed in the Section B.7.1 of the registered PDD of the proposed project activity.¹⁵

4.3 Description of the Monitoring Plan

Completion of this section is not mandatory as per VCS Standard since the proposed project activity is validated under the CDM program. The content of this paragraph is detailed in the Section B.7.3 of the registered PDD of the proposed project activity¹⁶.

5 ENVIRONMENTAL IMPACT

Completion of this section is not mandatory as per VCS Standard since the proposed project activity is validated under the CDM program. The content of this paragraph is detailed in the Section D of the registered PDD of the proposed project activity¹⁷.

¹¹ http://cdm.unfccc.int/Projects/DB/KBS_Cert1348557135.31/view

¹² http://cdm.unfccc.int/Projects/DB/KBS_Cert1348557135.31/view

¹³ http://cdm.unfccc.int/Projects/DB/KBS_Cert1348557135.31/view

¹⁴ http://cdm.unfccc.int/Projects/DB/KBS_Cert1348557135.31/view

¹⁵ http://cdm.unfccc.int/Projects/DB/KBS_Cert1348557135.31/view

¹⁶ http://cdm.unfccc.int/Projects/DB/KBS_Cert1348557135.31/view

¹⁷ http://cdm.unfccc.int/Projects/DB/KBS_Cert1348557135.31/view

6 STAKEHOLDER COMMENTS

Completion of this section is not mandatory as per VCS Standard since the proposed project activity is validated under the CDM program. The content of this paragraph is detailed in the Section E of the registered PDD of the proposed project activity¹⁸.

¹⁸ http://cdm.unfccc.int/Projects/DB/KBS_Cert1348557135.31/view