



BUNDLED SOLAR PHOTOVOLTAIC PROJECT BY ACME



Document Prepared By EKI Energy Services Limited

Project Title	Bundled Solar Photovoltaic Project by Acme
Project ID	1753
Project Start Date	23-February-2017
SD Contributions Reporting Period	01-February-2020 to 24-April-2021 (Inclusive of both the dates)
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1. SUMMARY OF SUSTAINABLE DEVELOPMENT CONTRIBUTIONS

The main goal of project activity is to implement renewable energy projects in the country and the significant importance of revenues from sale of Verified Carbon Units (VCUs) to achieve this goal forms the basis of the implementation of this project activity. The project activity is a voluntary action and each SPV is the Project Proponent for their project activity. ACME Cleantech Solutions Private Limited as a parent company formed different SPV (Special Purpose Vehicles) for solar projects and projects are developed by name of SPVs. There are no mandatory laws or regulations existing in India requiring PP or any other party to develop a programme for renewable generation plants.

The total AC capacity of the project activity is 1,207.5 MW and the power produced displaces an equivalent amount of power from the grid, which is fed mainly by fossil fuel fired power plants. Hence, it results in reduction of GHG emissions. GHG emission reductions from the project activity would be 2,078,589 tonnes of CO_{2e} and total GHG emission reductions for the chosen 10 year crediting period would be 20,785,890 tonnes of CO_{2e}.

The commissioning dates of the project activity bundle have been mentioned below.

Activity Instance	SPV Name	State	Capacity (MW)	Date of Commissioning
1	Sunworld Solar Power Pvt Ltd	Telangana	30	15-November-2017
	ACME Ranga Reddy Solar Power Pvt Ltd		30	02-June-2017
	ACME Medak Solar Energy Pvt Ltd		45	14-July-2017
	ACME Nizamabad Solar Energy Pvt Ltd		50	11-September-2017
	ACME PV Powertech Private Limited (Sadashivpet)		50	07-July-2017
	ACME Solar Power Technology Private Limited		50	05-February-2018
	ACME Rewari Solar Power Pvt Ltd	Karnataka	50	31-January-2018
	Acme Kurukshetra Solar Energy Pvt Ltd		50	31-January-2018
	ACME Bhiwadi Solar Power Pvt Ltd	AP	50	01-July-2018
	ACME Hisar Solar Power Private Limited		50	21-June-2018
	ACME Karnal Solar Power Private Limited		50	15-June-2018
	ACME Kaithal Solar Power Private Limited	Karnataka	40	24-January-2018
	ACME Babadham Solar Power Private Limited		40	22-January-2018
	ACME Koppal Solar Energy Private Limited		40	15-April-2018
	ACME Vijayapura Solar Energy Pvt Ltd		40	23-January-2018

	ACME Rewa Solar Energy Pvt Ltd	Rajasthan	100	24-September-2018
	ACME Chittorgarh Solar Energy Pvt. Ltd	Rajasthan	250	26-October-2019
2	ACME Karimnagar Solar Power Pvt Ltd	Telangana	15	02-March-2017
3	Purvanchal Solar Power Pvt Ltd		15	23-February-2017
4	Rewanchal Solar Power Pvt Ltd		15	24-March-2017
5	Neemuch Solar Power Pvt Ltd		15	25-March-2017
6	ACME Fazilka Power Pvt Ltd (Nandipet)		15	13-March-2017
7	ACME Narwana Solar Power Pvt Ltd (Lingampet)		15	24-February-2017
8	ACME Warangal Solar Power Pvt Ltd		15	03-March-2017
9	Devishi Renewable Energy Pvt Ltd	Uttarakhand	12.5	19-February-2017
10	Devishi Solar Power Pvt Ltd		12.5	19-February-2017
11	Sunworld Energy Pvt Ltd		12.5	10-February-2017
12	ACME Yamunanagar Solar Power Pvt Ltd-1 (KOSGI)	Telangana	10	26-September-2017
13	ACME Yamunanagar Solar Power Pvt Ltd-2 (MOTHKUR)		10	17-September-2017
14	ACME Mahbubnagar Solar Energy Pvt Ltd-2 (GODHUR)		10	11-September-2017
15	ACME Mahbubnagar Solar Energy Pvt Ltd-3 (PADMAJIWADI)		10	09-September-2017
16	ACME Mahbubnagar Solar Energy Pvt Ltd-1 (MANTHANI)		10	12-September-2017
Total			1,207.5	

The several sustainable development activities has been carried out during the current monitoring period are mentioned below:

For SDG- 7: Through this grouped project activity, it has contributed towards SDG-7 i.e Affordable and clean energy by setting up of 1207.5 MW Solar Photovoltaic Project. The evidence for the same is provided in Appendix-1.

For SDG- 13: Through this grouped project activity, ACME Cleantech Solutions Private Limited is committed to work for mitigation of climate change by generating electricity using clean energy sources. In this monitoring period, project has achieved GHG emission reductions of 2,546,833 tCO₂e. The VCS MR of the project for this monitoring period acts as the supporting evidence of this.

2. PROJECT CONTRIBUTIONS

Table 1 : Sustainable Development Contributions

Row number	SDG Target	SDG Indicator	Net Impact on SDG Indicator	Current Project Contributions	Contributions Over Project Lifetime
1)	7.2	7.2.1: Renewable energy share in the total final energy consumption	Implemented activities to increase	About 2,687,979.42 MWh renewable electricity has supplied to Indian grid during the reported period that helps to increase the renewable energy share in the energy mix.	Overall 6,659,634.82 MWh (511,472.085+ 3,460,183.311+ 2,687,979.42) renewable electricity has supplied to Indian grid throughout the project lifetime that helps to increase the renewable energy share in the energy mix.
2)	13.0	Tonnes of greenhouse gas emissions avoided or removed	Implemented activities to increase	By supplying 2,687,979.42 MWh clean electricity (generated through Solar PV) to Indian grid, the project avoided release of 2,546,833 tCO ₂ e into the atmosphere during the reporting period.	Overall prevented the release of 6,309,927 (484,608 +3,278,486 + 2,546,833) tCO ₂ e into the atmosphere since project commissioning.

APPENDIX 1: SUPPORTING EVIDENCE

- 1) Supporting evidences for the clean energy produced and supplied to the Indian grid (SDG-7) can be referred from: <https://registry.terra.org/app/projectDetail/VCS/1753>
- 2) Supporting evidences for the tonnes of greenhouse gas emissions avoided or removed (SDG-13) can be referred from: <https://registry.terra.org/app/projectDetail/VCS/1753>