



**Verified Carbon
Standard**

BUNDLED SOLAR PHOTOVOLTAIC PROJECT BY ACME



Document Prepared by EKI Energy Services Limited



Project Title	Bundled Solar Photovoltaic Project by ACME
Version	04
Report ID	VCS 1753
Date of Issue	25-November-2024
Project ID	1753
Monitoring Period	26-April-2022 to 31-January-2023 (Inclusive of both days)
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1 PROJECT DETAILS

1.1 Summary Description of the Implementation Status of the Project

This grouped project activity is a step towards supporting the implementation and installation of grid connected renewable solar energy power plants in India. The implementation of project activity ensures energy security, diversification of the grid generation mix and sustainable growth of the electricity generation sector in India. 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.

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 program for renewable generation plants. The project activity supports the development of new grid-connected renewable energy power plants in India and cover the solar energy technologies. It seeks to enable investment in large scale grid connected plants that export their generated output to the regional / national electricity grid in India. The electricity generated by renewable technology (solar) installed as part of the grouped project activity supplies either to the regional grid and/or supplied to the identified facility via regional grid through a contractual wheeling agreement for captive consumption there by displacing the consumption of electricity from the regional grid electricity distribution system. As of 31 December 2013, the Southern grid has also been synchronized with the NEWNE grid (Now unified INDIAN grid), hence forming one unified Indian Grid. Thus, for this Project activity instances Indian Grid is applicable.

The commissioning dates of plant are mentioned in section 3.1 Implementation status of the project activity. The respective project is running smoothly, there were no any instances occurred that would alter the GHG reductions, methodology applicability and monitoring procedure. The plant went for the schedule maintenance at regular intervals.

The total AC capacity of the project activity is 1,107.50 MW (with the reference to the deviation 7 ACME Rewari Solar Power Pvt Ltd and ACME Kurukshetra Solar Energy Pvt Ltd having total capacity 100 MW are no longer part of this grouped project and the total project capacity is reduced from 1207.50 MW to 1107.50 MW).

During the Current Monitoring Period from 26-April-2022 to 31-January-2023 (First and last date included) the project activity has Generated 1,728,924.68 MWh and contributed 1,638,125 tCO_{2e} GHG reductions without any breakdown.

Audit Type	Period	Program	VB Name	Number of years
Joint Validation and Verification	10-February-2017 to 28-February-2018 (both days inclusive)	VCS Program	LGA Technological Center, S.A. (Applus+ Certification)	1 Years, 0 Months, 19 Days (384 Days)
Verification	01-March-2018 to 31-January-2020 (Inclusive of both days)	VCS Program	Earthood Services Private Limited	1 Years, 11 Months, 3 Days (702 Days)
Verification	01-February-2020 to 24-April-2021 (Inclusive of both days)	VCS Program	KBS Certification Services Pvt. Ltd.	1 Years 2 Months 25 Days (449 Days)
Verification	25-April-2021 to 24-September-2021(Inclusive of both days)	VCS Program	KBS Certification Services Pvt. Ltd.	0 Years 5 Months 2 Days (153 Days)
Verification	25-September-2021 to 25-April-2022 to (Inclusive of both days)	VCS Program	LGA Technological Center, S.A. (Applus+ Certification)	0 Years 7 Months 1 Days (213 Days)
Verification	26-April-2022 to 31-January-2023 (Inclusive of both days)	VCS Program	LGA Technological Center, S.A. (Applus+ Certification)	0 Years 9 Months 5 Days (281 Days)
Total	10-February-2017 To 31-January-2023 (Inclusive of both days)	VCS Program	-	5 Years 11 Months 19 Days (2182 Days)

1.2 Sectoral Scope and Project Type

The project activity falls under consideration of the grouped project activity. The project activity instances as part of the grouped project have the following parameters

Sectoral Scope : 01 - Energy industries (renewable / non-renewable sources)

Project Type : I - Renewable Energy Projects

Project Category: For each project activity, instances apply only solar technology. However, each project activity instances are either small scale or large scale and not the combination of two.

For large scale project activities, below large-scale methodology is applied

Methodology : ACM0002: Grid-connected electricity generation from renewable sources - Version 19.0¹

For small scale project activities, below small-scale methodology is applied

AMS-I.D.” Grid Connected renewable electricity generation – Version 18.0²

The project activity under consideration is a grouped project activity.

1.3 Project Proponent

Organization name	ACME Cleantech Solutions Private Limited
Contact person	Ashutosh Singh
Title	Manager EHS
Address	Plot No.152, Sector – 44, Gurugram -122 002, Haryana, India
Telephone	+91 95898 99649
Email	ashutosh.singh@acme.in

Organization name	Renew Power Synergy Private Limited
Contact person	Ishan Nagpal
Title	Manager EHS
Address	Commercial Block-1, Zone 6, Golf Course Road, DLF City Phase-V, Gurugram 122002 Haryana, India
Telephone	+91 95600 03515
Email	Ishan.nagpal@renew.com

¹ <http://cdm.unfccc.int/UserManagement/FileStorage/58IAGB7SZUDEO2VN6LYM30K41HFPRQ>

² <http://cdm.unfccc.int/UserManagement/FileStorage/2P7FS6ZQAR84LG3NMKYUH50WI9ODBC>

Organization name	Acme Chittorgarh Solar Energy Private Limited
Contact person	-
Title	Manager EHS
Address	S 2904, 29th Floor, World Trade Centre, Brigade Gateway Campus 26/1, Dr. Rajkumar Road, Rajajinagar, Bengaluru – 560 055, Karnataka, India
Telephone	-
Email	Kumar@ayanapower.com

Organization name	Athena Bhiwadi Solar Power Private Limited
Contact person	Ram Mohan
Title	Director
Address	J5/132, Third Floor, Rajouri Garden, New Delhi, India, 110027
Telephone	+91 98333 01613
Email	athena@athenare.in

Organization name	Athena Hisar Solar Power Private Limited
Contact person	Ram Mohan
Title	Director
Address	J5/132, Third Floor, Rajouri Garden, New Delhi, India, 110027
Telephone	+91 98333 01613
Email	athena@athenare.in

Organization name	Athena Karnal Solar Power Private Limited
Contact person	Ram Mohan
Title	Director

Address	J5/132, Third Floor, Rajouri Garden, New Delhi, India, 110027
Telephone	+91 98333 01613
Email	athena@athenare.in

1.4 Other Entities Involved in the Project

Organization name	EKI Energy Services Limited
Role in the Project	Project Consultant
Contact person	Vipul Sahu
Title	Project Manager
Address	Office No 201, Plot No 48, Scheme 78, Vijay Nagar Part- II, Indore 452010, India
Telephone	+91-91111112889
Email	registry@enkingint.org , vipul.sahu@enkingint.org

1.5 Project Start Date

The first project activity instance of the grouped project under consideration was commissioned and power generation started on 10-February-2017. The project activity instance is SPV Sunworld Energy Pvt Ltd under ACME group. Hence the project start date is defined as follows:

Project start date: 10-February-2017

1.6 Project Crediting Period

Crediting Period Start date: 10-February-2017³

Crediting Period End date: 09-February-2027

The grouped project activity adopts renewable crediting period of 10 years period which can be renewed for maximum 2 times.

³ Start date of crediting period is 10/02/2017, as on this day 1st set of Solar PV Plant associated to the one of the bundles start its commercial operations.

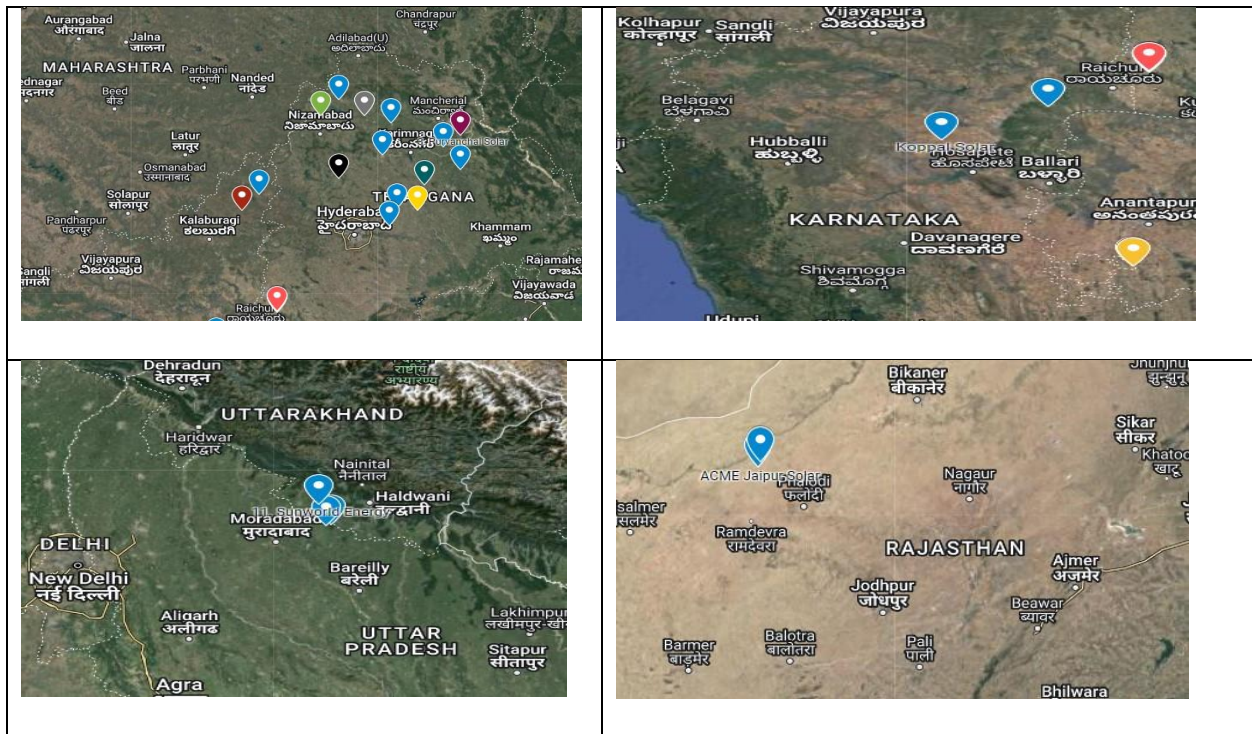
1.7 Project Location

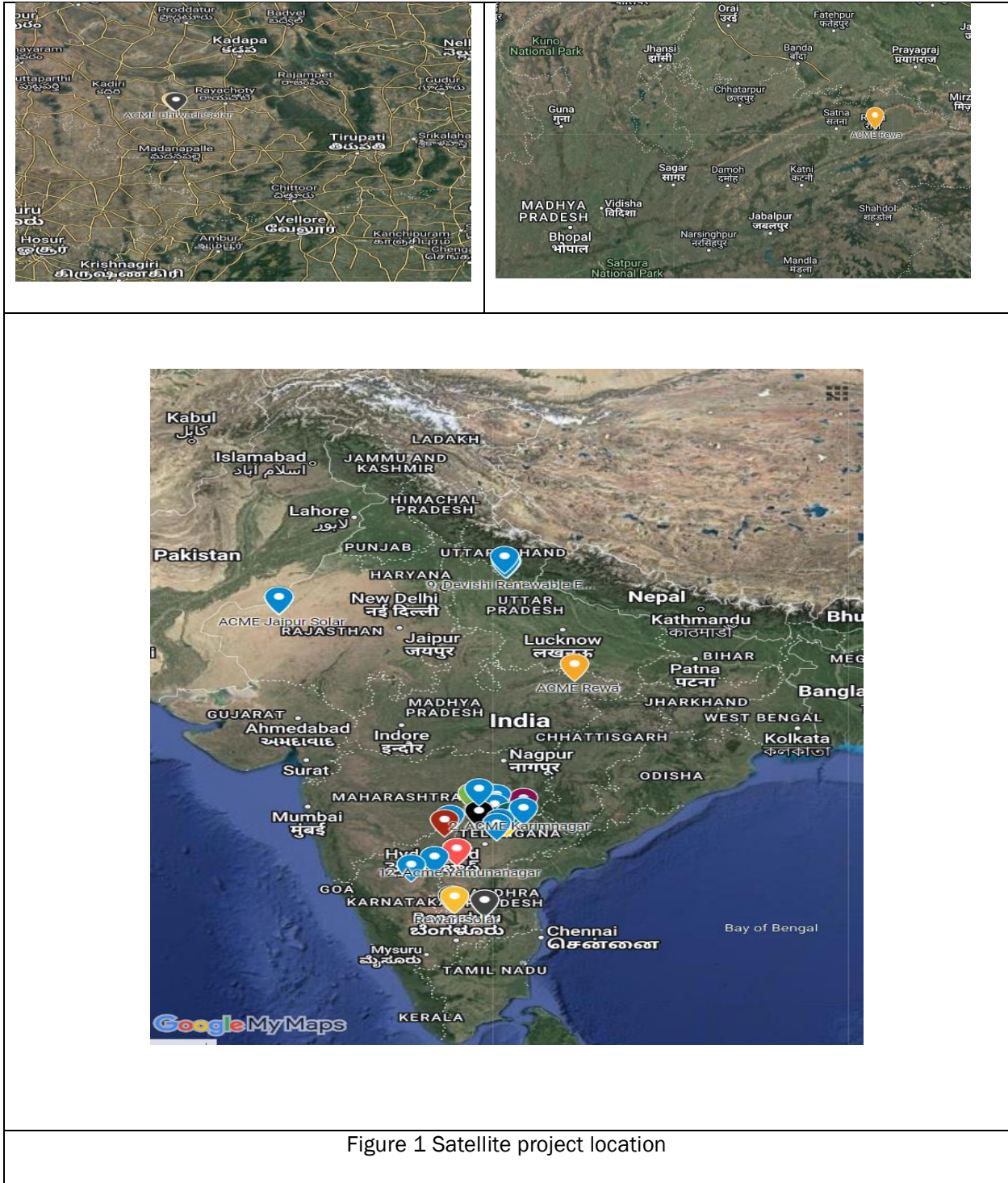
The details of the project locations are mentioned in the table below

Table 1 Details of the project locations

Activity Instances	Village	District	State	Name of the SPVs	Latitude	Longitude
01	Jagathiyal	Karimnagar	Telangana	Sunworld Solar Power Pvt Ltd	18.82203 N	79.10108 E
	Siricilla	Karimnagar	Telangana	ReNew Ranga Reddy Solar Power Pvt Ltd	18.30450 N	78.88827 E
	Annathsagar,	Medak	Telangana	ReNew Medak Solar Energy Pvt Ltd	18.14728 N	78.29110 E
	Beeravelly	Adilabad	Telangana	ReNew Nizamabad Solar Energy Pvt Ltd	19.13129 N	78.251088 E
	AnanthaSagar	Medak	Telangana	ACME PV Powertech Private Limited (Sadashivpet)	17.701571 N	77.813153 E
	Bhongir	Nalgonda	Telangana	ACME Solar Power Technology Private Limited	17.721751 N	78.975642 E
	Bhiwadi	Kadapa	Andhra Pradesh	Athena Bhiwadi Solar Power Pvt Ltd	14.086597 N	78.461025 E
	Hisar	Kadapa	Andhra Pradesh	Athena Hisar Solar Power Private Limited	14.104121 N	78.465313 E
	Karnal	Kadapa	Andhra Pradesh	Athena Karnal Solar Power Private Limited	14.120740 N	78.452512 E
	Chitaguppa	Kaithal	Karnataka	ACME Kaithal Solar Power Private Limited	17.732182 N	77.217419 E
	Amaravati	Raichur	Karnataka	ACME Babadham Solar Power Private Limited	15.98979 N	76.93002 E
	Bidi	Belagavi	Karnataka	ACME Koppal Solar Energy Private Limited	17.212184 N	76.777021 E
	Malchapur	Bidar	Karnataka	ACME Vijayapura Solar Energy Pvt Ltd	17.918732 N	77.372409 E
	Bhadla	Jodhpur	Rajasthan	ACME Rewa Solar Energy Pvt Ltd	27.477468 N	71.990588 E
	Bap, Bhadla	Jodhpur	Rajasthan	Acme Chittorgarh Solar Energy Private Limited	27.350000 N	72.140000 E
02	Kalvasrirampur	Karimnagar	Telangana	ReNew Karimnagar Solar Power Pvt Ltd	18.521019 N	79.554364 E
03	Manthini	Karimnagar	Telangana	ReNew Purvanchal Solar Power Pvt Ltd	18.689688 N	79.632532 E
04	Jangaon	Karimnagar	Telangana	ReNew Rewanchal Solar Power Pvt Ltd	17.800414 N	79.153588 E
05	Gudhur	Karimnagar	Telangana	ReNew Neemuch Solar Power Pvt Ltd	18.79589 N	78.63609 E
06	Nandipet	Karimnagar	Telangana	ReNew Fazilka Power Pvt Ltd (Nandipet)	18.859975 N	78.18131 E
07	Lingampet Bayampally	Nizamabad	Telangana	ReNew Narwana Solar Power Pvt Ltd (Lingampet)	18.27893 N	78.10435 E

08	Mallaram	Karimnagar	Telangana	ReNew Warangal Solar Power Pvt Ltd	18.575534 N	78.860413 E
09	Kailashpuri, Gadarpur	Udham Singh Nagar	Uttarakhand	Devishi Renewable Energy Pvt Ltd	29.0497399 N	79.222841 E
10	Kailashpuri, Gadarpur	Udham Singh Nagar	Uttarakhand	Devishi Solar Power Pvt Ltd	29.0497399 N	79.222841 E
11	Ratanpura	Udham Singh Nagar	Uttarakhand	Sunworld Energy Pvt Ltd	29.208627 N	79.086677 E
12	Kalwakurthy	Mehboobnagar	Telangana	Acme Yamunanagar Solar Power Pvt Ltd-1 (KOSGI)	16.966462 N	77.651767 E
13	Mothkur	Yadadri	Telangana	Acme Yamunanagar Solar Power Pvt Ltd-2 (MOTHKUR)	17.434986 N	79.284074 E
14	Kalwakurthy	Mehboobnagar	Telangana	ACME Mahbubnagar Solar Energy Pvt Ltd-2 (GODHUR)	18.796471 N	78.634222 E
15	Kalwakurthy	Mehboobnagar	Telangana	ACME Mahbubnagar Solar Energy Pvt Ltd-3 (PADMAJIWADI)	18.413841 N	78.215127 E
16	Nagaram	Peddapally	Telangana	ACME Mahbubnagar Solar Energy Pvt Ltd-1 (MANTHANI)	18.688100 N	79.629544 E





1.8 Title and Reference of Methodology

The methodology for the project activity is approved methodology for large-scale CDM project activities. The details of the methodology are as follows:

Methodology : ACM0002

Project Type : Type-I: Renewable Energy Projects
 Title : Grid-connected electricity generation from renewable sources
 Version No. : Version 19.0;
 Reference : CDM Methodology⁴

The methodology refers to following CDM Tools:

- Tool 01: Tool for the demonstration and assessment of additionality⁵ (Version 07.0.0, EB 70, Annex 8)
- Tool 07: Tool to calculate the emission factor for an electricity system⁶ - (Version 07.0 EB 100, Annex 04)
- Tool 24: Methodological tool "Common Practice", (version 03.1 EB84, Annex 7)
- Tool 27: Methodological tool "Investment analysis", (Version 07.0)

The methodology for small scale project activity instances was approved methodology for small-scale CDM project activities. The details of the methodology are as follows:

Methodology : AMS I.D
 Project Type : Type-I: Renewable Energy Projects
 Title : Grid connected renewable electricity generation
 Version No. : Version 18;
 Reference : CDM Methodology⁷

The methodology refers to following CDM Tools:

- Tool 07: Tool to calculate the emission factor for an electricity system⁸ - (Version 07.0 EB 100, Annex 04)

1.9 Participation under other GHG Programs

Not Applicable, as the project activity is not registered with any other program.

The undertaking from PP has been submitted for no any double accounting for current monitoring period and project activity is not participated any other GHG program other than VCS.

1.10 Other Forms of Credit and Supply Chain (Scope 3) Emissions

The project activity is not availing any REC benefits and the same can be confirmed from publically available link of REC generators.

⁴ <http://cdm.unfccc.int/UserManagement/FileStorage/58IAGB7SZUDEO2VN6LYM30K41HFPRQ>

⁵ <http://cdm.unfccc.int/methodologies/PAMethodologies/tools/am-tool-01-v7.0.0.pdf>

⁶ <https://cdm.unfccc.int/methodologies/PAMethodologies/tools/am-tool-07-v7.0.pdf>

⁷ <https://cdm.unfccc.int/methodologies/DB/W3TINZ7KKWCK7L8WTXFQQOFQQH4SBK>

⁸ <http://cdm.unfccc.int/methodologies/PAMethodologies/tools/am-tool-07-v7.0.pdf>

Web-link: https://www.recregistryindia.nic.in/index.php/publics/accredited_regens PP has also submitted undertaking for not availing other forms of environmental credit for the same crediting period under consideration.

1.11 Sustainable Development Contributions

The project activity has beneficial effect on the local environment and employment in the nearby region. Clean Electricity generation through Solar PV result in avoidance of consumption of fossil fuels which results in contribution to SDG 7. The emission avoidance through these activities results in contribution to SDG 13. All the workers at site are trained which results in increase of skills, which contributes to SDG 4. Detailed indicators are mentioned in table 1. This is a voluntary project activity doesn't contribute to achieving any nationally stated sustainable development priorities. There is no compliance for monitoring and reporting the emission reduction and SDG contribution from the project activity.

Table 2: 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 1,728,924.68 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, 12,106,359.18 MWh (1,728,924.68 + 1,377,912.16 + 511,472.085+3,460,183.311+2,687,979.42+ 961,975.37+ 1,377,912.16) renewable electricity has supplied to Indian grid throughout the project lifetime that helps to increase the renewable energy share in the energy mix.
2)	13.2	13.2.2: Total greenhouse gas emissions per year.	Implemented activities to increase	By supplying 1,728,924.68 MWh clean electricity (generated through Solar PV) to Indian grid, the project avoided release of 1,638,125 tCO ₂ e into the atmosphere during the reporting period.	Overall prevented the release of 11,470,604 (1,638,125 +1,305,548 +484,608 +3,278,486 + 2,546,833+911,456+ 1,305,548) tCO ₂ e into the atmosphere since project commissioning.
3)	4.4	4.4.1 Proportion of youth and adults with information and communications technology (ICT) skills, by type of skill	Implemented activities to increase	Together with the technology supplier, the Project organize 517 ⁹ trainings for the staff on the technology and the monitoring of the plant operation, and the emergency and safety procedures.	Overall, 804 (517+282+05) trainings are provided during current monitoring period.

⁹ The details of Training records are provided in section APPENDIX 2: Training Records

2 SAFEGUARDS

2.1 No Net Harm

The project activity does not involve any major construction activity. It primarily requires the installation of the solar PV panels, interfacing the generators with the State Electricity Board by setting up HT transmission lines and installation of other accessories.

Section 3.3 and 3.4 report on “Developmental Impacts and Sustainable Governance Aspects of Renewable Energy Projects” prepared by MNRE dated September 2013. This report clearly mentioned that solar PV project activity operations do not result in direct air pollution, noise pollution. Please refer below web link for the same¹⁰.

Thus, there are no any potential negative environmental and socio-economic significant impacts due to implementation of project activity on air, water, soil quality and ambience are envisaged due to the project activity.

2.2 Local Stakeholder Consultation

As a part of continual improvement process, feedback from the associated stakeholders is vital, therefore a dedicated Visitor register cum grievance register has been placed at the project site which is accessible to stakeholders to provide their feedback on the project. It is appropriate publicly accessible location at which local stakeholders can provide their feedback on the project. This location is also conducive to continuous and regular checks for stakeholder comments. For the global stakeholders, the suggestion and the grievance can be submitted to info@acme.in

Stakeholder meetings were organized at the time of registration of project activity in order to identify the major challenges around the area, stakeholders were invited well in advance through printed invitation, calls, meeting and a notice is placed around the local common areas. Various CSR activities around site are carried out.

Project Instance	SPVs Names	Invitation Dates	LSHM Dates
1.	Sunworld Solar Power Pvt Ltd	30-September-2017	11-October-2017
	ReNew Ranga Reddy Solar Power Pvt Ltd	22-October-2016	01-November-2016
	ReNew Medak Solar Energy Pvt Ltd	22-October-2016	01-November-2016
	ReNew Nizamabad Solar Energy Pvt Ltd	31-October-2016	10-November-2016

¹⁰ <https://smartnet.niua.org/sites/default/files/resources/report-on-developmental-impacts-of-RE.pdf>

Project Instance	SPVs Names	Invitation Dates	LSHM Dates
	ACME PV Powertech Private Limited (Sadashivpet)	30-November-2016	10-December-2016
	ACME Solar Power Technology Private Limited	01-December-2016	10-December-2016
	Athena Bhiwadi Solar Power Pvt Ltd	07-December-2017	17-December-2017
	Athena Hisar Solar Power Private Limited		
	Athena Karnal Solar Power Private Limited		
	ACME Kaithal Solar Power Private Limited	07-December-2017	17-December-2017
	ACME Babadham Solar Power Private Limited		
	ACME Koppal Solar Energy Private Limited		
	ACME Vijayapura Solar Energy Pvt Ltd		
	ACME Rewa Solar Energy Pvt Ltd	05-April-2018	15-April-2018
	Acme Chittorgarh Solar Energy Private Limited	05-April-2018	15-April-2018
2.	ReNew Karimnagar Solar Power Pvt Ltd	31-October-2016	10-November-2016
3.	ReNew Purvanchal Solar Power Pvt Ltd		
4.	ReNew Rewanchal Solar Power Pvt Ltd		
5.	ReNew Neemuch Solar Power Pvt Ltd		
6.	ReNew Fazilka Power Pvt Ltd (Nandipet)	08-March-2017	18-March-2017
7.	ReNew Narwana Solar Power Pvt Ltd (Lingampet)	03-October-2016	13-October-2016
8.	ReNew Warangal Solar Power Pvt Ltd	22-October-2016	01-November-2016
9.	Devishi Renewable Energy Pvt Ltd	08-July-2016	20-July-2016
10.	Devishi Solar Power Pvt Ltd		
11.	Sunworld Energy Pvt Ltd		
12.	ACME Yamunanagar Solar Power Pvt Ltd-1 (KOSGI)	03-October-2016	13-October-2016
13.	ACME Yamunanagar Solar Power Pvt Ltd-2 (MOTHKUR)		
14.	ACME Mahbubnagar Solar Energy Pvt Ltd-2 (GODHUR)	03-October-2016	10-November-2016
15.	ACME Mahbubnagar Solar Energy Pvt Ltd-3 (PADMAJIWADI)		
16.	ACME Mahbubnagar Solar Energy Pvt Ltd-1 (MANTHANI)		

The stakeholder is requested to share their experiences and grievances on continuous basis. Grievance registers is used to records the grievances and feedback. During the current monitoring period, the following grievances have been recorded regarding site operations:

SPV's Name	Complaint Received From	Date of Complaint	Complaint Details	Action Taken	Remark
ACME PV Powertech Private Limited	Mr. Rachaiah	05-June-2022	Vehicles are traversing through Mr. Rachaiah's property.	Mr. Rachaiah has reconsidered his decision and is now permitting company vehicles to pass through his land.	Completed
ReNew Karimnagar Solar Power Private Limited	MC Vendor	18-September-2022	MC Vendor payment is pending.	Plant head Informed to Head office and paid the vendor payment.	Completed
ReNew Purvanchal Solar Power Private Limited	Mr. Sadanandam J	01-february-2023	The insufficient safety clearance of transmission lines is causing disruptions in the passage of heavy vehicles through them.	The problem with the transmission lines' safety clearance has been fixed, so now heavy vehicles can pass through without any issues.	Completed
ACME Mahbubnagar Solar Energy Private Limited -3 (PADMAJIWADI)	Mr. Raghu. P.B	02-June-2022	Farmers in the vicinity are urged to clear the grass near the outer fencing to manage and prevent fires in their fields.	The concern has been addressed as the surrounding farmers have cleared the grass near the outer fencing to control fires in their fields.	Completed
	Mr. Chandar Rao	13-July-2022	Farmers have made a request to channel rainwater through the plant.	The issue has been resolved, and a passage for rainwater outside the plant has been prepared.	Completed

ACME Mahbubnagar Solar Energy Private Limited -1 (MANTHANI)	Farmers	16-December -2022	Farmers are requesting the passage of waste water from the boundary of block-2 to irrigate their land.	PP successfully redirected waste water from block 2 to their agricultural land using 6-inch pipes.	Completed
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2.3 AFOLU-Specific Safeguards

Not applicable to this as this is not an AFOLU project activity.

3 IMPLEMENTATION STATUS

3.1 Implementation Status of the Project Activity

The project activity involves the installation of Solar Power Projects. The total capacity of the project is 1,107.50 MW. The project is promoted by ACME Cleantech Solution Private Limited with its different group SPVs. The project activity is using solar energy to generate direct current (DC) using photovoltaic modules that converts into alternating current by inverters. The project activity instances under grouped project activity are grid connected and install a new power plant (i.e. solar PV) at a site where no renewable power plant was operating prior to the implementation of the project activity (green-field plant). The generated electricity is being supplied to grid or uses grid network for captive or third-party sale.

The project activity Instances are small scale project activities (with power generation capacity less than 15 MW) and large-scale project activities (with power generation capacity more than 15 MW). The Project activity follows AMS I.D. Version 18 or ACM0002 Version 19.0 based on scale of project activity instances.

The commissioning dates of plant are mentioned below:

Activity Instance	SPV Name	State	Capacity (MW)	Date of Commissioning
1	Sunworld Solar Power Pvt Ltd	Telangana	30 ¹¹	15-November-2017

¹¹ Total Capacity: 30 MW and the 20 MW was commissioned on 15-November-2017 and 20 MW was commissioned on 16-November-2017.

Activity Instance	SPV Name	State	Capacity (MW)	Date of Commissioning
	ReNew Ranga Reddy Solar Power Pvt Ltd		30 ¹²	02-June-2017
	ReNew Medak Solar Energy Pvt Ltd		45	14-July-2017
	ReNew Nizamabad Solar Energy Pvt Ltd		50 ¹³	11-September-2017
	ACME PV Powertech Private Limited (Sadashivpet)		50	07-July-2017
	ACME Solar Power Technology Private Limited		50	07-February-2018
	Athena Bhiwadi Solar Power Pvt Ltd	Andhra Pradesh	50	05-July-2018
	Athena Hisar Solar Power Private Limited		50	21-June-2018
	Athena Karnal Solar Power Private Limited		50	21-June-2018
	ACME Kaithal Solar Power Private Limited	Karnataka	40 ¹⁴	24-January-2018
	ACME Babadham Solar Power Private Limited		40 ¹⁵	22-January-2018
	ACME Koppal Solar Energy Private Limited		40 ¹⁶	16-March-2018
	ACME Vijayapura Solar Energy Pvt Ltd		40 ¹⁷	23-January-2018
	ACME Rewa Solar Energy Pvt Ltd	Rajasthan	100	24-September-2018

¹² The earliest date of project commissioned is 02-June-2017. (10 MW was commissioned on 02-June-2017, 5 MW was commissioned on 03-June-2017, 5 MW was commissioned on 06-June-2017, 5 MW was commissioned on 16-June-2017, 5 MW was commissioned on 06-June-2017.

¹³ Total capacity is 50 MW and 10 MW was commissioned on 11-September-2017, 20 MW 13-September-2017, and balance 20 MW was commissioned on 15-September-2017.

¹⁴ Total capacity is 40 MW. 20 MW was commissioned on 24-January-2018 and Rest 20 WM capacity was commissioned on 14-March-2018. Earliest commissioning date is being considered.

¹⁵ Total capacity is 40 MW. 20 MW was commissioned on 22-January-2018 and Rest 20 WM capacity was commissioned on 09-March-2018. Earliest commissioning date is being considered.

¹⁶ The date of commissioning is 16-March-2018 and commercial operation date is 15-April-2018. Earliest commissioning date is being considered.

¹⁷ Total projects capacity is 40 MW. 20 MW was commissioned on 23-January-2018 and Rest 20 WM capacity was commissioned on 15-March-2018. Earliest commissioning date is being considered.

Activity Instance	SPV Name	State	Capacity (MW)	Date of Commissioning
	Acme Chittorgarh Solar Energy Private Limited	Rajasthan	250 ¹⁸	26-October-2019
2	ReNew Karimnagar Solar Power Pvt Ltd	Telangana	15	02-March-2017
3	ReNew Purvanchal Solar Power Pvt Ltd		15	23-February-2017
4	ReNew Rewanchal Solar Power Pvt Ltd		15	24-March-2017
5	ReNew Neemuch Solar Power Pvt Ltd		15	25-March-2017
6	ReNew Fazilka Power Pvt Ltd Nandipet)		15	13-March-2017
7	ReNew Narwana Solar Power Pvt Ltd (Lingampet)		15	24-February-2017
8	ReNew 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-Septemeber-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			1,107.5¹⁹	

The solar power generated from the Project is displacing the electricity generated from thermal power stations feeding into Indian grid and replacing the usage of diesel generators for meeting the power demand during shortage periods. Since, the solar power is Green House Gas (GHG) emissions free, the power generated prevent the anthropogenic GHG emissions generated by the fossil fuel based thermal power stations comprising coal, diesel, furnace oil and gas. The

¹⁸ Total projects capacity is 250 MW. 100 MW was commissioned on 26-October-2019 and 130 MW was commissioned on 25-October-2019, Rest 20 WM capacity was commissioned on 01-January-2020. Earliest commissioning date is being considered.

¹⁹ ACME Rewari Solar Power Pvt Ltd (50 MW) and Acme Kurukshetra Solar Energy Pvt Ltd (50 MW) are no longer part of grouped project activities. These SPVs are not being verified and eligible since 01-July-2020. Deviation 7 has been approved in previous verification.

estimation of GHG reductions by this project is limited to carbon dioxide (CO₂) only. The details of previous Monitoring periods and monitoring numbers are tabulated below.

All project activity instances are photovoltaic (PV) plant/unit, the project activity instances used solar energy to generate direct current from photovoltaic modules that converted into alternating current by inverters. The technical specifications of the plants are tabulated below:

Table 3 Technical specifications of the plant as per SPV Name²⁰

SPV NAME		Sunworld Energy Pvt Ltd, Bazpur
Site		Bazpur-2
Module	Make	BYD
	specification of module	260, 265 Watts
	Total No of Module	58872
Inverter	Make	TBEA
	AC power	1000 KW
	Total Number of Inverter	12
Transformer	Make	Electrotherm India Pvt Ltd
	Transformer KVA	4.5 Mva (1), 4 MVA (2)
	Total Numb PT	3
SPV NAME		ACME Yamunanagar Solar Power Pvt Ltd-1 (KOSGI)
Site		Kosgi
Module	Make	Trina
	specification of module	320, 325, 330 Watts
	Total No of Module	41860
Inverter	Make	Tbea
	AC power	1250 KW
	Total Number of Inverter	8
Transformer	Make	Aum Transformer
	Transformer KVA	-
	Total Numb PT	2
SPV NAME		ACME Yamunanagar Solar Power Pvt Ltd-2 (MOTHKUR)
Site		Mothkur
Module	Make	ZN shine, TALESUN
	specification of module	315, 320 325 Watts
	Total No of Module	42120

²⁰ The changes due to plant equipment specification are mentioned In APPENDIX 4: technical details Comparision

Inverter	Make	Tbea
	AC power	1250 KW
	Total Number of Inverter	8
Transformer	Make	Pete Hammond
	Transformer KVA	
	Total Numb PT	2
SPV NAME		ACME Vijaypura Solar Power Pvt. Ltd.
Site		Halburga
Module	Make	Trina ,Zn Shine, Risen
	specification of module	315, 320, 325, 330 Watts
	Total No of Module	167620
Inverter	Make	Tbea
	AC power	1250 KWkw
	Total Number of Inverter	32
Transformer	Make	Prime Meiden
	Transformer KVA	1X32/40MVA
	Total Numb PT	1
SPV NAME		ACME Solar Power Technology Private Ltd, Bhongir
Site		Bohngir
Module	Make	YINGLI, GCL
	specification of module	265, 270, 260
	Total No of Module	245160
Inverter	Make	Sungrow
	AC power	2500 KW
	Total Number of Inverter	20
Transformer	Make	Voltamp
	Transformer KVA	-
	Total Numb PT	2
SPV NAME		ACME Mahbubnagar Solar Energy Pvt Ltd-3
Site		Padmajiwadi
Module	Make	Jollywwod, Trina solar
	specification of module	370, 325, 320, 330 Watts
	Total No of Module	39500
Inverter	Make	Tbea

	AC power	1250 KW
	Total Number of Inverter	8
Transformer	Make	Aum Transformer
	Transformer KVA	-
	Total Numb PT	2
SPV NAME		ACME Mahbubnagar Solar Energy Pvt Ltd-2 (GODHUR)
Site		Godhur-2
Module	Make	BYD
	specification of module	265, 260 Watts
	Total No of Module	52368
Inverter	Make	Tbea
	AC power	1250 KW
	Total Number of Inverter	8
Transformer	Make	Pete Hammond
	Transformer KVA	-
	Total Numb PT	2
SPV NAME		ACME Rewa Solar Energy Pvt Ltd
Site		Bhadla-L2
Module	Make	ZnShine, GCL
	specification of module	315, 320, 325,330 Watts
	Total No of Module	464760
Inverter	Make	Tbea
	AC power	3750 KW/5000KW
	Total Number of Inverter	26
Transformer	Make	Silchar, Toshiba,Reychen Rpg
	Transformer KVA	
	Total Numb PT	14
SPV NAME		ACME Kaithal Solar Power Pvt. Ltd.
Site		Chittuguppa
Module	Make	Trina, Znshine, Yingli
	specification of module	320, 325 Watts
	Total No of Module	168440
Inverter	Make	Tbea
	AC power	1250 KW KW

	Total Number of Inverter	32
Transformer	Make	Prime Meiden
	Transformer KVA	32/40 MVA
	Total Numb PT	1
SPV NAME		Devishi Renewable Energy Pvt Ltd, Gadarpur
Site		Gadarpur-1
Module	Make	BYD
	specification of module	255, 260, 275 Watts
	Total No of Module	62304
Inverter	Make	Tbea
	AC power	1000 KW
	Total Number of Inverter	12
Transformer	Make	Electrotherm India Pvt Ltd
	Transformer KVA	4.5 Mva (1), 4 MVA (2)
	Total Numb PT	3
SPV NAME		ACME PV Powertech Private Limited
Site		Sadashivpet
Module	Make	RISEN, GCL, BYD
	specification of module	270, 265, 260, 275 Watts
	Total No of Module	242616
Inverter	Make	Sungrow
	AC power	2520 KW
	Total Number of Inverter	20
Transformer	Make	Transformer & Rectifiers
	Transformer KVA	-
	Total Numb PT	2
SPV NAME		ACME Mahbubnagar Solar Energy Pvt Ltd-1 (MANTHANI)
Site		Manthani
Module	Make	BYD
	specification of module	260, 265 Watts
	Total No of Module	51864
Inverter	Make	Tbea
	AC power	1250 KW

	Total Number of Inverter	8
Transformer	Make	Aum Transformer
	Transformer KVA	-
	Total Numb PT	2
SPV NAME		Acme Chittorgarh Solar Energy Private Limited
Site		Bhadla-L3
Module	Make	ZNSHINE, GCL & ECONESS
	specification of module	315, 320, 325,330 Watts
	Total No of Module	462210
Inverter	Make	Tbea
	AC power	3750 KW/5000KW
	Total Number of Inverter	26
Transformer	Make	Silchar, Toshiba
	Transformer KVA	
	Total Numb PT	14
SPV NAME		ACME Babadham Solar Power Pvt. Ltd.
Site		Byagwat
Module	Make	Trina,Znshine, Yingli,Talesun
	specification of module	315, 320, 325 Watts
	Total No of Module	168240
Inverter	Make	TBEA
	AC power	1250 KW KW
	Total Number of Inverter	32
Transformer	Make	Prime Meiden
	Transformer KVA	40MVA
	Total Numb PT	1
SPV NAME		Devishi Solar Power Pvt Ltd
Site		Gadarpur-2
Module	Make	BYD, Goldi
	specification of module	255, 260, 275, 270
	Total No of Module	62136
Inverter	Make	Tbea
	AC power	1000 KW

	Total Number of Inverter	12
Transformer	Make	Electrotherm India Pvt Ltd
	Transformer KVA	4.5 Mva (1), 4 MVA (2)
	Total Numb PT	3
SPV NAME		Devishi Renewable Energy Pvt Ltd, Gadarpur
Site		Gadarpur-1
Module	Make	BYD
	specification of module	255, 260, 275
	Total No of Module	62304
Inverter	Make	Tbea
	AC power	1000 KW
	Total Number of Inverter	12
Transformer	Make	Electrotherm India Pvt Ltd
	Transformer KVA	4.5 Mva (1), 4 MVA (2)
	Total Numb PT	3
SPV NAME		ACME Koppal Solar Energy Pvt. Ltd.
Site		Farhatabad
Module	Make	Seraphim, Yingli, Znshine
	specification of module	320, 325
	Total No of Module	168700
Inverter	Make	Tbea
	AC power	1250 KW kW
	Total Number of Inverter	32
Transformer	Make	Prime Meiden
	Transformer KVA	40 MVA
	Total Numb PT	3

SPV Name	Athena Bhiwadi Solar Power Pvt Ltd
AC Capacity in MW	50
Plan DC Capacity in MWp	72.5
DC Capacity Connected	72.5
Tilt details	3 degree & 24 Degree
PV technology	Polycrystalline
Make	Risen, CECEP, Znshine, trusun
specification of module	315, 320,325,330,335 Watts

Total No of Module	223300
Make	Risen, CECEP, Znshine, trusun
AC power	2.5 MW
Total Number of Inverter	20
Output	2.5 MW
Make	TBEA
Transformer KVA	1.IDTs 10000KVA - 4 Nos , 5000 KVA -2Nos and 2. Auxillary tarfo - 50 KVA - 2Nos
Total Numb PT & Trafo	Power transformer not available
SPV Name	Athena Karnal Solar Power Pvt Ltd
AC Capacity in MW	50
Plan DC Capacity in MWp	73.5
DC Capacity Connected	73.5
Tilt details	3 degree & 24 Degree
PV technology	Poly crystalline
Make	CECEP, Znshine, LIGHTWAY, SERAPHIM
specification of module	315 , 320,325,330,335 Watts
Total No of Module	226440
Make	CECEP, Znshine, LIGHTWAY, SERAPHIM
AC power	2.5 MW
Total Number of Inverter	20
Output	2.5 MW
Make	TBEA
Transformer KVA	1.IDTs 10000KVA - 4 Nos, 5000 KVA -2Nos and 2. Auxillary tarfo - 50 KVA - 2Nos
Total Numb PT & Trafo	Power transformer not available
SPV Name	Athena Hisar Solar Power Pvt Ltd
AC Capacity in MW	50
Plan DC Capacity in MWp	72.5
DC Capacity Connected	72.5
Tilt details	3 degree & 24 Degree
PV technology	Polycrystalline
Make	Risen, Adani CECEP, taleseun
specification of module	315 , 320,325,330,335 Watts
Total No of Module	222180
Make	Risen, Adani CECEP, taleseun
AC power	2.5 MW
Total Number of Inverter	20

Output	2.5 MW
Make	TBEA
Transformer KVA	1.IDTs 10000 KVA - 4 Nos , 5000 KVA -2Nos and 2. Auxillary tarfo - 50 KVA - 2Nos
Total Numb PT & Trafo	Power transformer not available
SPV Name	ReNew Purvanchal Solar
Site	Manthani
AC Capacity	15
Plant DC Capacity (CEIG)	19.72
DC Capacity Connected	19.72
Tilt details	3&25
PV technology	Polycrystalline
Make	Risen
specification of module	255, 260, 265
	13920, 31008, 30600
Total No of Module	75528
Make	TBEA
AC power	1250
Total Number of Inverter	12
Output (V)	400
Make	Kryfs(3),PowerWare(1)
Transformer KVA	5000, 50
Total Numb PT ,IDT, Aux	4
SPV Name	ReNew Narwana Solar Power Pvt Ltd
Site	Lingampet
AC Capacity	15
Plant DC Capacity (CEIG)	
DC Capacity Connected	19.30
Tilt details	3&25
PV technology	Polycrystalline
Make	BYD
specification of module	255, 260
	15720, 58800
Total No of Module	74520
Make	TBEA
AC power	1250
Total Number of Inverter	12
Output (V)	380

Make	KRYFS (1), CENTURY (1), UTTAM(1),Powerware (1)
Transformer KVA	5000, 5000, 5000.50
Total Numb PT ,IDT, Aux	4
SPV Name	Renew karimnagar solar power pvt ltd
Site	KalwaSrirampur
AC Capacity	15
Plant DC Capacity (CEIG)	19.35
DC Capacity Connected	19.35
Tilt details	3& 25
PV technology	Polycrystalline
Make	Risen BYD
specification of module	255, 260, 265, 260
	19248, 21000, 33912
Total No of Module	74160
Make	TBEA
AC power	1250
Total Number of Inverter	12
Output (V)	380
Make	UTTAM (1), CENTURY(2), Powerware (1)
Transformer KVA	5000, 5000, 50
Total Numb PT ,IDT, Aux	4
SPV Name	Renew Fazlika Solar Power Pvt Ltd
Site	Nandipet
AC Capacity	15
Plant DC Capacity (CEIG)	19.41
DC Capacity Connected	19.41
Tilt details	3,15,25
PV technology	Polycrystalline
Make	Risen
specification of module	255, 260, 265
	13464, 57912, 3288
Total No of Module	74832
Make	TBEA
AC power	1250
Total Number of Inverter	12
Output (V)	380
Make	UTTAM (2), KRYFS (1), Powerware(1)
Transformer KVA	5000,5000,50

Total Numb PT ,IDT, Aux	4
SPV Name	ReNew Neemuch Solar Power Pvt Ltd
Site	Godhur
AC Capacity	15
Plant DC Capacity (CEIG)	19.45
DC Capacity Connected	19.45
Tilt details	3&25
PV technology	Polycrystalline
Make	Talesun
specification of module	260, 265
	25896, 48048
Total No of Module	73944
Make	TBEA
AC power	1250
Total Number of Inverter	12
Output (V)	380
Make	Rachyem, KRYFS, PETE, Powerware (1)
Transformer KVA	5000, 5000, 5000, 50
Total Numb PT ,IDT, Aux	4
SPV Name	Sun World Solar Power Private Limited
Site	Jagtial
AC Capacity	30
Plant DC Capacity (CEIG)	39.2
DC Capacity Connected	38.9382
Tilt details	3&25
PV technology	Polycrystalline
Make	Talesun, BYD, Yingli
specification of module	260, 265, 260, 265, 265
	5,94,31,88,625
Total No of Module	148056
Make	TBEA
AC power	1250
Total Number of Inverter	24
Output (V)	380
Make	Voltamp (7), Powerware (2)
Transformer KVA	5000, 50
Total Numb PT ,IDT, Aux	9

SPV Name	ReNew Nizamabad Power Pvt Ltd
Site	Nirmal
AC Capacity	50
Plant DC Capacity (CEIG)	64.627
DC Capacity Connected	64.627
Tilt details	3&25
PV technology	Polycrystalline
Make	Talesun, GCL, BYD
specification of module	260, 265, 265, 270, 255
	24888, 170040, 48504
Total No of Module	243432
Make	Sungrow
AC power	2500
Total Number of Inverter	20
Output (V)	360
Make	AUM (2), PETE (5), VOLTAMP (3), T&R(2) Powerware(2)
Transformer KVA	5000, 5000, 5000, 20000/25000, 50
Total Numb PT ,IDT, Aux	14
SPV Name	ReNew Rewanchal Solar Power Plant
Site	Jangaon
AC Capacity	15
Plant DC Capacity (CEIG)	19.37
DC Capacity Connected	16.72
Tilt details	3 & 25
PV technology	Polycrystalline
Make	BYD Risen
specification of module	260, 265, 260, 265
	31320, 32376
Total No of Module	63696
Make	TBEA
AC power	1250
Total Number of Inverter	12
Output (V)	380
Make	Kryfs(3), PowerWare(1)
Transformer KVA	5000,50
Total Numb PT ,IDT, Aux	4

SPV Name	Renew Warangal Power Private Limited
Site	Mallaram
AC Capacity	15
Plant DC Capacity (CEIG)	19.47
DC Capacity Connected	19.47
Tilt details	3&25
PV technology	Polycrystalline
Make	GCL
specification of module	260, 265, 270
	2184, 46176, 24696
Total No of Module	73056
Make	TBEA Sungrow
AC power	1250*8 2500*2
Total Number of Inverter	10
Output (V)	380
Make	Rachyem (2), AUM (1),Powerware (1)
Transformer KVA	5000, 5000, 50
Total Numb PT ,IDT, Aux	4
SPV Name	ReNew Medak Power Private Limited
Site	Medak
AC Capacity	45
Plant DC Capacity (CEIG)	58.44
DC Capacity Connected	58.45
Tilt details	3&25
PV technology	Polycrystalline
Make	Talesun, GCL, BYD
specification of module	260, 265, 265, 270, 260
	220200
Total No of Module	220200
Make	TBEA
AC power	1250
Total Number of Inverter	36
Output (V)	380
Make	Rachyem(4), KRYFS (2), UTTAM (2), Volt Amp (1) T&R(2), Power Ware(2)
Transformer KVA	5000, 5000, 5000, 5000, 20000/25000, 50
Total Numb PT , IDT, Aux	13

SPV Name	Rangareddy Solar Power Private Ltd
Site	Siricilla
AC Capacity	30
Plant DC Capacity (CEIG)	37.23
DC Capacity Connected	37.22
Tilt details	3&25
PV technology	Polycrystalline
Make	BYD
specification of module	260, 265
	31392, 109704
Total No of Module	141096
Make	TBEA
AC power	1250
Total Number of Inverter	24
Output (V)	380
Make	Rachyem (5), KRYFS (1), Power Ware (2)
Transformer KVA	5000,5000,50
Total Numb PT, IDT, Aux	8

3.2 Deviations

3.2.1 Methodology Deviations

No methodology deviation is applied during the monitoring period.

3.2.2 Project Description Deviations

Deviation 1:

This deviation is a permanent monitoring deviation. The meter reading practice in India is upgrading to optimum level which based on robust technology and requires minimum human intervention. The deviation is for Andhra Pradesh state project having SPV name ACME Bhiwadi Solar Power Pvt Ltd, ACME Hisar Solar Power Private Limited and ACME Karnal Solar Power Private Limited but not limited to further upgradation at another states of India. This deviation is already approved in previous verifications.

The monitoring practice is updated (October 2018) and it's shifted to Deviation Settlement Mechanism (DSM) in order to more strengthen the national grid. The export and import values are omitted and no longer provided, only net export values are being provided for the invoicing to respective boards/government institutions. In DSM, PP have to forecast electrical energy generation in day time blocks (In India, 15 minutes each block, total 96 blocks) well in advance.

The invoicing is done on the forecasted value. The actual generation deviation from the forecasted values is penalized, it depends upon the deviation magnitude. Therefore, instead of export and import values, the net values are directly obtained (either by including deviation to the schedule values or directly considering the actual values from the SRPC report) for the emission reduction calculation. The approach doesn't alter the emission reduction and its calculations.

For most of the Indian Southern Region, Total Energy schedule and the Actual values (which is the actual Net delivered) is maintained by the Southern Regional Power Committee (SRPC) Secretariat, Central Electricity Authority, Government of India. Regional Energy Account (monthly net export) for every month in respect of Southern Region has been uploaded on the SRPC website, www.srpc.kar.nic.in. Since the document is provided by government nodal agency, therefore no any cross-checking is required.

The nature of deviation is permanent and already approved in the second verification.

Deviation 2:

Continuation of deviation 1, ACME Rewari Solar Power Pvt Ltd and ACME Kurukshetra Solar Energy Pvt Ltd, the Deviation Settlement Mechanism (DSM) is also applicable to mentioned SPVs. Therefore, instead of export and import values, the net values are directly obtained (either by including deviation to the schedule values or directly considering the actual values from the SRPC report) for the emission reduction calculation. The approach doesn't alter the emission reduction and its calculations. The nature of deviation is permanent.

Deviation 3:

The commissioning date of ACME Bhiwadi Solar Power Pvt Ltd is revised from 01-July-2018 to 05-July-2018. This was the typo error and the nature of deviation is permanent.

Deviation 4:

Mentioned SPVs geodic coordinates are corrected for better identification of over satellite. There has been no change in the design and specification of the SPVs:

Sunworld Solar Power Pvt Ltd	18.57 N	78.86 E
ACME PV Powertech Private Limited (Sadashivpet)	17.58 N	77.89 E
ACME Solar Power Technology Private Limited	16.80 N	78.89 E
ACME Bhiwadi Solar Power Pvt Ltd	14.11 N	78.45 E
ACME Hisar Solar Power Private Limited	14.11 N	78.78 E
Athena Karnal Solar Power Private Limited	14.02 N	78.44 E
Athena Babadham Solar Power Private Limited	15.9 N	76.9 E
Athena Koppal Solar Energy Private Limited	17.21 N	76.77 E
Acme Chittorgarh Solar Energy Private Limited	27.35 N	72.14 E
ReNew Narwana Solar Power Pvt Ltd (Lingampet)	18.86 N	78.18 E
ReNew Warangal Solar Power Pvt Ltd	18.57 N	78.86 E

Acme Yamunanagar Solar Power Pvt Ltd-1 (KOSGI)	16.69 N	78.42 E
Acme Yamunanagar Solar Power Pvt Ltd-2 (MOTHKUR)	17.43 N	79.28 E
ACME Mahbubnagar Solar Energy Pvt Ltd-2 (GODHUR)	16.71 N	78.47 E
ACME Mahbubnagar Solar Energy Pvt Ltd-3 (PADMAJIWADI)	18.40 N	78.21 E

The above-mentioned deviation are already approved during previous verifications.

Deviation 5:

ACME Bhiwadi Solar Power Pvt Ltd, ACME Hisar Solar Power Private Limited and ACME Karnal Solar Power Private Limited changed to Athena Bhiwadi Solar Power Pvt Ltd, Athena Hisar Solar Power Private Limited and Athena Karnal Solar Power Private Limited respectively. This is only due to the asset transfer between the ACME group and Athena group. The applicable date is 31/03/2021 on which PPA addendum took place. Athena group has been added as project proponent. The design change doesn't alter the project design, monitoring approach, additionality, emission reduction and its calculations. The nature of deviation is permanent.

Deviation 6:

In order to align the monitoring start date and end date with billing cycle, various start and end date of billing cycle has been apportioned using Daily Generation Report of respective SPVs. The apportioning is done on the basis of generation ratio (Generation ratio: DGR's generation for the period covered in the monitoring period/ DGR's Total generation for the month, the ratio is then multiplied with the export and import values). The details are provided in the emission reduction calculation spreadsheet. The design change doesn't alter the project design, monitoring approach and additionality. Through this deviation, the emission reduction and its calculations are aligned to the generation covered in the monitoring period. The nature of deviation is permanent.

Deviation 7:

ACME Rewari Solar Power Pvt Ltd. (50 MW) and ACME Kurukshetra Solar Energy Pvt Ltd. (50 MW) are not a part of the grouped project activity. These SPVs are not being verified and eligible since 01-July-2020. The design change doesn't alter the project design, monitoring approach, additionality, and emission reduction calculations. The nature of deviation is permanent.

- Deviations from 1 have been approved in the second verification (Monitoring period: 01-March-2018 to 31-January-2020 (Inclusive of both days)).
- Deviations 2, Deviations 3, and Deviations 4 have been approved in the third verification (Monitoring period: 01-February-2020 to 24-April-2021 (Inclusive of both days)).
- Deviations 5, Deviations 6, and Deviations 7 have been approved in the fourth verification (Monitoring period: 25-April-2021 to 24-September-2021 (Inclusive of both days)).

Deviation 8:

An asset transfer materialized between ACME Cleantech Solutions Private Limited and ReNew Power Private Limited, ACME Cleantech Solutions Private Limited and Ayana Renewable Power Private Limited for the transfer of assets. The new and old assets owners are tabulated below. However, in the contractual agreement between new and old SPV, the rights of environmental

credits holds with ACME Cleantech Solutions Private Limited. Therefore, the accession and revised communication agreement is not required. The contract has been shared with VVB. The design change doesn't alter the project design, monitoring approach, additionality and emission reduction calculations. The nature of deviation is permanent.

Old SPV Owners	New SPV Owners	Asset Transfer date
ACME Fazilka Power Pvt Ltd	ReNew Fazilka Power Pvt Ltd	03-Novemeber-2021
ACME Karimnagar Solar Power Pvt Ltd	ReNew Karimnagar Solar Power Pvt Ltd	03-Novemeber-2021
ACME Warangal Solar Power Pvst Ltd	ReNew Warangal Solar Power Pvt Ltd	03-Novemeber-2021
ACME Narwana Solar Power Pvt Ltd	ReNew Narwana Solar Power Pvt Ltd	03-Novemeber-2021
ACME Ranga Reddy Solar Power Pvt Ltd	ReNew Ranga Reddy Solar Power Pvt Ltd	03-Novemeber-2021
ACME Nizamabad Solar Energy Pvt Ltd	ReNew Nizamabad Solar Energy Pvt Ltd	03-Novemeber-2021
ACME Medak Solar Energy Pvt Ltd	ReNew Medak Solar Energy Pvt Ltd	03-Novemeber-2021
Purvanchal Solar Power Pvt Ltd	ReNew Purvanchal Solar Power Pvt Ltd	03-Novemeber-2021
Rewanchal Solar Power Pvt Ltd	ReNew Rewanchal Solar Power Pvt Ltd	03-Novemeber-2021
Neemuch Solar Power Pvt Ltd	ReNew Neemuch Solar Power Pvt Ltd	03-Novemeber-2021
ACME Chittorgarh Solar Energy Pvt. Ltd	Ayana Renewable Power Private Limited	18-Novemeber-2021

Deviation-9:

Few changes observed in the plant technical details and specifications of equipment's mentioned in section 3.1 Implementation Status of the Project Activity **Table 3 Technical specifications of the plant as per SPV Name.** *¡Error! No se encuentra el origen de la referencia.* The plant technical equipment configuration in *Table 3 Technical specifications of the plant as per SPV Name* is updated due to maintenance and upgradation activity. The equipment reconfigurations don't alter project capacity, design changes, calculation of emission reduction, and any impact on additionality, capacity, and PLF of the project. Changes regarding the plant specifications (Inverter and module specifications) are being mentioned in APPENDIX 4: technical details Comparision

The Nature of Deviation is permanent.

Deviation-10:

The meters replacement/Monitoring procedure/calibration of the billing meter are completely under State electricity board of Karnataka. The monitoring procedure have been recently updated and the net electricity export have been calculated using "Export- 115% Import", the same net electricity values are reflected in the crosscheck invoices. PP don't have anything to engage with metering and monitoring procedures. The meter is completely taken care of by State Electricity Board. Following SPVs are located in the state of Karnataka.

1. ACME Kaithal Solar Power Private Limited

2. ACME Babadham Solar Power Private Limited
3. ACME Koppal Solar Energy Private Limited
4. ACME Vijayapura Solar Energy Pvt Ltd

The deviation does not negatively impact the conservativeness of the quantification of GHG emission reductions or removals and the deviations relate only to the criteria and procedures for monitoring or measurement, and do not relate to any other part of the methodology. Deviation does not alter additionality, calculation of emission reduction and the project design. The nature of this deviation is permanent.

Deviation-11:

Few Typo error observed in the *Appendix 1: Input Parameters for Additionality Assessment for Respective Project Activities* of the registered VCS Joint PD & MR. Error related to sensitivity analysis values of Sunworld Solar Power Pvt Ltd and ACME Kaithal Solar Power Private Limited. In the registered Joint Project description & Monitoring report, the following table are mentioned of sensitivity analysis.

- Sunworld Solar Power Pvt Ltd:

Sensitivity Analysis	Equity IRR			
Variation %	-10%	Normal	10%	Breaching Value
PLF	6.90%	4.68%	13.15%	16.55%
O&M	10.34%	4.68%	9.37%	-92.54%
Project Cost	12.65%	4.68%	7.80%	-18.29%
Tariff Rate	6.90%	4.68%	13.15%	16.55%

- ACME Kaithal Solar Power Private Limited:

Sensitivity Analysis	Equity IRR			
Variation %	-10%	Normal	10%	Breaching Value
PLF	7.35%	6.87%	14.09%	14.11%
O&M	11.49%	6.87%	9.92%	-68.47%
Project Cost	13.31%	6.87%	8.42%	-17.13%
Tariff Rate	7.35%	6.87%	14.09%	14.12%

The sensitivity has been reassessed with the same values and the table are mentioned below.

The revised sheets are being submitted to VVB for reviews.

- Sunworld Solar Power Pvt Ltd:

Equity IRR without CDM: 4.68%

Benchmark (Equity IRR): 15.32 %

Sensitivity Analysis	Equity IRR			
Variation %	-10%	Normal	10%	Breaching Value

PLF	2.35%	4.68%	7.22%	38.16%
O&M	5.31%	4.68%	4.03%	-177.34%
Project Cost	6.70%	4.68%	3.11%	-35.79%
Tariff Rate	2.35%	4.68%	7.22%	38.16%

- ACME Kaithal Solar Power Private Limited:

Equity IRR without CDM: 6.87 %

Benchmark (Equity IRR): 15.50

Sensitivity Analysis	Equity IRR			
Variation %	-10%	Normal	10%	Breaching Value
PLF	3.90%	6.87%	9.88%	26.74%
O&M	7.69%	6.87%	5.99%	-68.47%
Project Cost	9.13%	6.87%	4.89%	-17.13%
Tariff Rate	7.35%	6.87%	14.09%	26.74%

The deviation does not negatively impact the conservativeness of the quantification of GHG emission reductions or removals. The deviations only correct the typo errors, and do not relate to any other part of the methodology. The Deviation doesn't alter the additionality, project design, monitoring approach, and emission reduction calculations. The nature of deviation is permanent.

Deviation-12:

Below SPV's geodetic coordinates are corrected for better identification of site. The previously mentioned coordinates have slight typo errors. With this deviation, there has been no change in the design and specification of the SPVs. The new and old geodetic coordinates owners are tabulated below.

Name of the SPVs	Old geodetic coordinates		New geodetic coordinates	
	Latitude	Longitude	Latitude	Longitude
Sunworld Solar Power Pvt Ltd	18.57 N	78.86 E	18.82203 N	79.10108 E
ACME Babadham Solar Power Private Limited	15.9 N	76.9 E	15.98979 N	76.93002 E
ReNew Neemuch Solar Power Pvt Ltd	18.9 N	78.60 E	18.79589 N	78.63609 E
ReNew Narwana Solar Power Pvt Ltd (Lingampet)	18.86 N	78.18 E	18.27893 N	78.10435 E

The deviations only correct the typo errors and do not relate to any other part of the methodology. The Deviation doesn't alter the project design, monitoring approach, and emission reduction calculations. The nature of deviation is permanent.

- Deviations 8, Deviations 9, Deviations 10, Deviations 11 and Deviations 12 have been approved in the previous verification (Monitoring period: 25-September-2021 to 25-April-2022 (Inclusive of both days)).

Deviation-13:

- a) **ACME Solar Power Technology Private Limited & Athena Karnal Solar Power Private Limited:** The commissioning date details of ACME Solar Power Technology Private Limited and Athena Karnal Solar Power Private Limited are revised, and the correct dates are tabulated below:

SPV's Name	Capacity	Commissioning date as per Joint PDMR ²¹	Commercial Operation Date /Plant Synchronization date as per commissioning certificate ²²	Commissioning date as per commissioning certificate ²³
ACME Solar Power Technology Private Limited	50 MW	05-February-2018	07-February-2018	05-February-2018
Athena Karnal Solar Power Private Limited	50 MW	15-June-2018	20-July-2018	15-June-2018

Hence, the correct commissioning date for ACME Solar Power Technology Private limited is 07-February-2018 and for Athena Karnal Solar Power Private Limited is 21-July-2018.

- b) **ACME Koppal Solar Energy Private Limited:** The commissioning date details of ACME Koppal Solar Energy Private Limited is revised and correct date are tabulated below.

SPV's Name	Capacity	Commissioning date as per Joint PDMR	Commercial Operation Date /Plant Synchronization date as per commissioning certificate	Commissioning date as per commissioning certificate

²¹ This is date when COD certificate date was issued.

²² This date when grid synchronization was done but electricity generation was not started.

²³ This is date when electricity generation was started and ER calculation is started from this date only. This is also date when JMR / Emission reduction Started. Same date is followed from first verification and ER is not claimed before JMR.

ACME Koppal Solar Energy Private Limited	40 MW	16-March-2018	15-April-2018 ²⁴	16-March-2018 ²⁵
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Hence, the correct commissioning date for ACME Koppal Solar Energy Private Limited is 16-March-2018.

The above deviation has solely modified the commissioning date and does not impact the Emission Reductions (ERs) claimed in previous verification or the ERs calculated for the current verification period. During the first verification, the Emission Reductions were calculated starting from the date when electricity generation initially started supplying to the grid, as documented in the Joint Meter Reading Report which is in-lined with the commissioning certificate.

The deviation does not negatively impact the conservativeness of the quantification of GHG emission reductions or removals and the deviations relate only to the criteria and procedures for monitoring or measurement, and do not relate to any other part of the methodology. Deviation does not alter additionality, calculation of emission reduction and the project design. The nature of this deviation is permanent.

Deviation-14:

Below SPV's geodetic coordinates are corrected for better identification of site. The previously mentioned coordinates have slight typo errors. With this deviation, there has been no change in the design and specification of the SPVs. The new and old geodetic coordinates owners are tabulated below.

Activity Instances	Name of the SPVs	Old geodetic coordinates		New geodetic coordinates	
		Latitude	Longitude	Latitude	Longitude
01	Sunworld Solar Power Pvt Ltd	18.82203 N	79.10108 E	18.82203 N	79.10108 E
	ReNew Ranga Reddy Solar Power Pvt Ltd	18.30 N	78.88 E	18.304502 N	78.88827 E
	ReNew Medak Solar Energy Pvt Ltd	18.14 N	78.29 E	18.147288 N	78.291108 E
	ReNew Nizamabad Solar Energy Pvt Ltd	19.13 N	78.24 E	19.13129 N	78.251088 E
	ACME PV Powertech Private Limited (Sadashivpet)	17.58 N	77.89 E	17.7015718 N	77.8131532 E
	ACME Solar Power Technology Private Limited	16.80 N	78.89 E	17.721751 N	78.975642 E

²⁴ This is date when electricity generation was started and ER calculation is started from this date only. This is also date when JMR / Emission reduction Started. Same date is followed from first verification and ER is not claimed before JMR.

²⁵ This is date when installation was completed but electricity generation was not started.

	Athena Bhiwadi Solar Power Pvt Ltd	14.11 N	78.45 E	14.086597 N	78.461025 E
	Athena Hisar Solar Power Private Limited	14.11 N	78.78 E	14.104121 N	78.465313 E
	Athena Karnal Solar Power Private Limited	14.02 N	78.44 E	14.1207402 N	78.4525128 E
	ACME Kaithal Solar Power Private Limited	17.73 N	77.21 E	17.732182 N	77.217419 E
	ACME Babadham Solar Power Private Limited	15.98979 N	76.93002 E	15.98979 N	76.93002 E
	ACME Koppal Solar Energy Private Limited	17.21 N	76.77 E	17.212184 N	76.777021 E
	ACME Vijayapura Solar Energy Pvt Ltd	17.91 N	77.37 E	17.918732 N	77.372409 E
	ACME Rewa Solar Energy Pvt Ltd	27.46 N	71.99 E	27.477468 N	71.990588 E
	Acme Chittorgarh Solar Energy Private Limited	27.35 N	72.14 E	27.350000 N	72.140000 E
02	ReNew Karimnagar Solar Power Pvt Ltd	18.52 N	79.55 E	18.521019 N	79.554364 E
03	ReNew Purvanchal Solar Power Pvt Ltd	18.69 N	79.62 E	18.689688 N	79.632532 E
04	ReNew Rewanchal Solar Power Pvt Ltd	17.80 N	79.15 E	17.800414 N	79.153588 E
05	ReNew Neemuch Solar Power Pvt Ltd	18.79589 N	78.63609 E	18.79589 N	78.63609 E
06	ReNew Fazilka Power Pvt Ltd (Nandipet)	18.86 N	78.18 E	18.859975 N	78.18131 E
07	ReNew Narwana Solar Power Pvt Ltd (Lingampet)	18.27893 N	78.10435 E	18.27893 N	78.10435 E
08	ReNew Warangal Solar Power Pvt Ltd	18.57 N	78.86 E	18.575534 N	78.860413 E
09	Devishi Renewable Energy Pvt Ltd	29.04 N	79.22 E	29.0497399 N	79.222841 E
10	Devishi Solar Power Pvt Ltd	29.06 N	79.19 E	29.0497399 N	79.222841 E
11	Sunworld Energy Pvt Ltd	29.20 N	79.08 E	29.208627 N	79.086677 E
12	Acme Yamunanagar Solar Power Pvt Ltd-1 (KOSGI)	16.69 N	78.42 E	16.966462 N	77.651767 E
13	Acme Yamunanagar Solar Power Pvt Ltd-2 (MOTHKUR)	17.43 N	79.28 E	17.434986 N	79.284074 E
14	ACME Mahbubnagar Solar Energy Pvt Ltd-2 (GODHUR)	16.71 N	78.47 E	18.796471 N	78.634222 E
15	ACME Mahbubnagar Solar Energy Pvt Ltd-3 (PADMAJIWADI)	18.40 N	78.21 E	18.4138412 N	78.2151276 E

16	ACME Mahbubnagar Solar Energy Pvt Ltd-1 (MANTHANI)	18.69 N	79.63 E	18.688100 N	79.629544 E
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The deviations only correct the typo errors and do not relate to any other part of the methodology. The Deviation doesn't alter the project design, monitoring approach, and emission reduction calculations. The nature of deviation is permanent.

Deviation-15:

Following Deviation 7 approval during the fourth verification (Monitoring period 25-April-2021 to 24-September-2021 (Inclusive of both days)), The ACME Rewari Solar Power Pvt Ltd. (50 MW) and ACME Kurukshetra Solar Energy Pvt Ltd. (50 MW) are excluded from the grouped project activity since 01-July-2020.

The project's capacity, initially documented as 1207.05 MW, is revised to 1107.50 MW following the deviation approval. Moreover, the estimated annual emission reduction values have been adjusted from 2,078,589 tCO₂e to 1,920,889 tCO₂e, reflecting a conservative approach.

The deviation does not relate to any other part of the methodology and fundamental aspects remain unchanged, including the design, monitoring approach, additionality, and emission reduction calculations. The nature of deviation is permanent.

3.3 Grouped Projects

The project is a grouped project activity. However, no any new instances added since first joint validation and verification. Therefore, demonstration of new activity eligibility criteria is not required.

4 DATA AND PARAMETERS

4.1 Data and Parameters Available at Validation

Data / Parameter	EF _{grid,OM,y}
Data unit	tCO ₂ /MWh
Description	Operating Margin CO ₂ emission factor in year y
Source of data	Calculated from CEA database, Version 13, June 2018 ²⁶
Value applied	0.9726

²⁶ https://cea.nic.in/reports/others/thermal/tpece/cdm_co2/user_guide_ver13.pdf

Justification of choice of data or description of measurement methods and procedures applied	Calculated as per “Tool to calculate the emission factor for an electricity system, version 07” as 3-year generation weighted average using data for the years 2014-2015, 2015-2016 & 2016-2017. The data are obtained from “CO ₂ Baseline Database for Indian Power Sector” version 13, published by the Central Electricity Authority, Ministry of Power, Government of India.
Purpose of Data	For the calculation of the Baseline Emission
Comments	This parameter is fixed ex-ante for the entire crediting period.

Data / Parameter	EF _{grid,BM,y}
Data unit	tCO ₂ /MWh
Description	Build Margin CO ₂ emission factor in year y
Source of data	Calculated from CEA database, Version 13, June 2018 ²⁷
Value applied	0.8723
Justification of choice of data or description of measurement methods and procedures applied	Calculated as per “Tool to calculate the emission factor for an electricity system, version 07” as per the latest data available for the most recent year 2016-17. The data is obtained from “CO ₂ Baseline Database for Indian Power Sector” version 13, published by the Central Electricity Authority, Ministry of Power, Government of India.
Purpose of Data	For the calculation of the Baseline Emission
Comments	This parameter is fixed ex-ante for the entire crediting period.

Data / Parameter	EF _{grid,CM,y}
Data unit	tCO ₂ /MWh
Description	Combined Margin CO ₂ emission factor in year y
Source of data	Calculated from CEA database, Version 13, May 2017 ²⁸
Value applied	0.9475
Justification of choice of data or description of measurement methods and procedures applied	The combined margin emissions factor is calculated as follows: $EF_{grid,CM,y} = EF_{grid,OM,y} * W_{OM} + EF_{grid,BM,y} * W_{BM}$ Where: EF_{grid,BM,y}= Build margin CO₂ emission factor in year y (tCO₂/MWh) EF_{grid,OM,y}= Operating margin CO₂ emission factor in year y (tCO₂/MWh)

²⁷ https://cea.nic.in/reports/others/thermal/tpece/cdm_co2/user_guide_ver13.pdf
²⁸ https://cea.nic.in/reports/others/thermal/tpece/cdm_co2/user_guide_ver13.pdf

	W_{OM} = Weighting of operating margin emissions factor (%) = 75% W_{BM} = Weighting of build margin emissions factor (%) = 25% Calculated as per “Tool to calculate the emission factor for an electricity system, version 07.0.0”. The data is obtained from “CO₂ Baseline Database for Indian Power Sector” Version 13, June 2018, published by the Central Electricity Authority, Ministry of Power, Government of India.
Purpose of Data	For the calculation of the Baseline Emission
Comments	This parameter is fixed ex-ante for the entire crediting period.

4.2 Data and Parameters Monitored

Data / Parameter	$EG_{PJ,y}$
Data unit	MWh
Description	Quantity of net electricity generation supplied by the project (Solar) plant/unit to the grid in year y
Source of data	Credit note/ JMR / Form B reports / monthly generation report from respective state electricity board / DISCOM
Description of measurement methods and procedures to be applied	The value of net electricity generation supplied to the grid as per Monthly electricity form B /Credit Note or Joint Meter Reading Report forms the basis for calculation of the emission reductions; which can be cross checked from the invoice raised to DISCOM. Net electricity supplied to grid are being calculated as the difference of the measured values of “export” and “import” of electricity through the dedicated SEB energy meter installed at the delivery point. Monthly meter readings are taken from the main and check meter installed at metering point and certified by the representatives of SEB Officials and the representatives of the project proponent.
Frequency of monitoring/recording	Continuous monitoring, hourly measurement and at least monthly recording
Value monitored	1,728,924.68 MWh
Monitoring equipment	Monitoring: Bidirectional Tri vector meter is used Data type: Measured Type of meter: Static type meter (Main & Check). Both are Bidirectional meters. Class of meter: 0.2s.

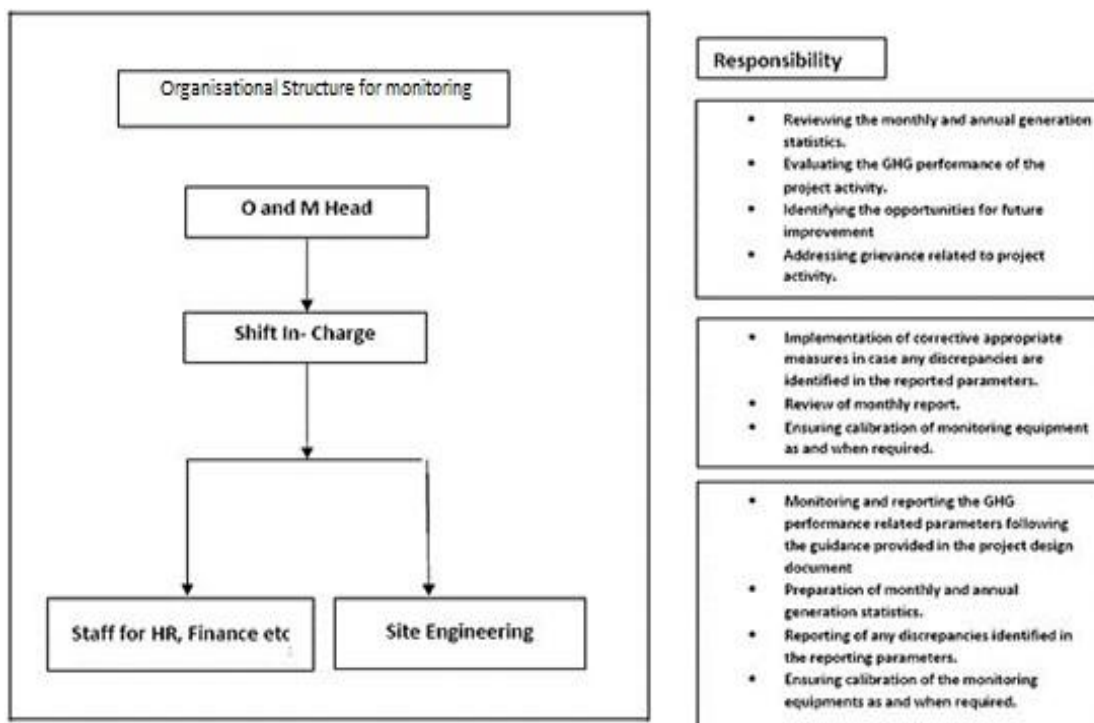
	Calibration frequency: One in five years ²⁹
	The meter details, make, calibration date, due date and respective accuracy class are mentioned in the APPENDIX 1: Calibration details
QA/QC procedures to be applied	The calibration of all the meters is undertaken at required intervals (once in five years as per CEA notification) and faulty meters are duly replaced immediately. The meters accuracy class is 0.2s. The meter accuracy class and calibration interval are under purview of state electricity board and PP does not have any control on it. It is also noted that apportioning procedure is under control of state electricity board and PP do not have any control on it. The available parameter to PP is the net electricity supplied to grid and same parameter is mentioned as monitoring parameter.
	The Net electricity exported to the grid is being cross checked against the invoice raised by the PP towards the DISCOM.
Purpose of the data	Calculation of baseline emissions
Calculation method	Net electricity supplied to grid is calculated as the difference of the measured values of “export” and “import” of electricity through the dedicated SEB energy meter installed at the delivery point, which can be cross checked from the invoice raised to DISCOM.
Comments	Data is being archived in paper & electronic form for two years after the end of crediting period or of the last issuance of VERs for this project activity, whichever occurs later.

4.3 Monitoring Plan

The monitoring plan is developed in accordance with the modalities and procedures for VCS project activities and is proposed for grid-connected solar power project. The monitoring plan, which implemented by the project participant describes about the monitoring organization, parameters to be monitored, monitoring practices, quality assurance, quality control procedures, data storage and archiving.

The authority and responsibility for registration, monitoring, measurement, reporting and reviewing of the data rests with the project participant. The existing structure for data monitoring, collection, data archiving and calibration of equipment are followed by PP for this project activity. The team comprises of the following members:

²⁹ https://www.aegcl.co.in/wp-content/uploads/2020/12/Metering_Regulations_Of_CEA_17_03_2006.pdf



Data Measurement

The export and import energy values are measured continuously using above-mentioned Main and Check meters located at the substations³⁰. Readings of meters taken on monthly basis by authorized officer of SEB in the presence of PP or representative of PP. Based on the Meter Reading Statement, invoices are being raised. These invoices can be used for cross checking the meter readings taken for the respective project activity.

QA & QC Procedures to be followed

Necessary check meters as required have been installed, to operate in standby mode or when the main meters are not working. All meters are calibrated at least once in five years as per CEA notification. Records of calibration certificates are maintained for verification. Hence, high quality is ensured with the above parameters. The calibration of meters is under purview of state electricity board and CME/ project activity instances owner do not have any control on it.

Apportioning of net electricity generation, the process involves allocating the generated electricity from a power plant to the Unified National Grid, and the determination of the grid's composition follows a specified procedure.

1	Apportioning Ratio	=	$\frac{\text{Generation at WTG Controller}}{\text{Total Generation of all WTG Controller for feeder}}$
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³⁰ APPENDIX 3: Substation details

2	Electricity Import from WTG by the grid (EG_{import})	=	Import from Main/Check Meter * Apportioning Ratio
3	Electricity Export to the WTGs by the grid (EG_{export})	=	Export from Main/Check Meter * Apportioning Ratio
4	Net electricity generated by WTG	=	Electricity Import from WTG by the grid – Electricity Export to the WTGs by the grid

Above steps for calculation of EG_{import} and EG_{export} are carried out by State Government Officials & energy break-up sheet. Based on the break-up sheets Project investor raises invoice to DISCOM which forms the cross-check for the net electricity generated. The Project investor has no role in the entire procedure of apportioning.

Data collection and archiving

Readings from meters collected in the presence of the plant in-charge. Export and Import data recorded and stored in logs as well as in electronic form on a daily basis. The records are checked periodically by the Plant Manager and discussed thoroughly with the plant supervisor. The period of storage of the monitored data would be 2 years after the end of crediting period or till the last issuance of VERs for the project activity whichever occurs later.

Emergency preparedness

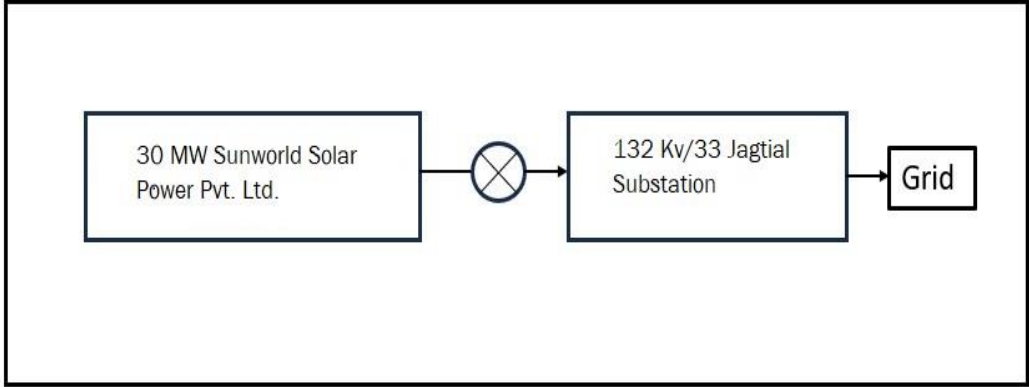
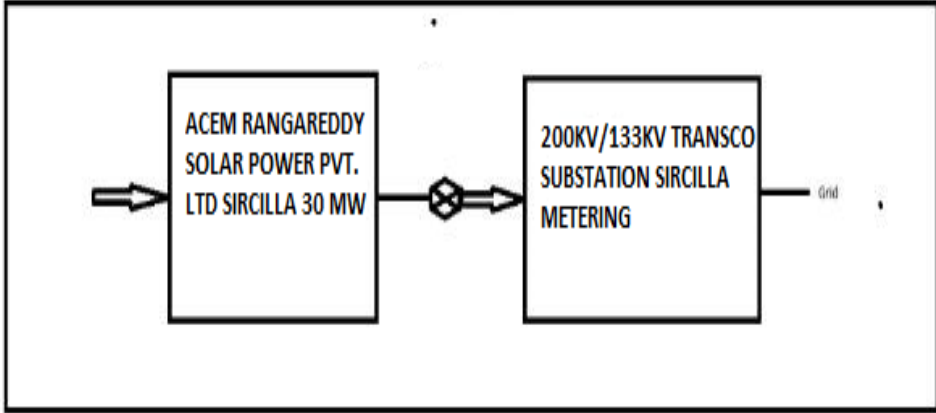
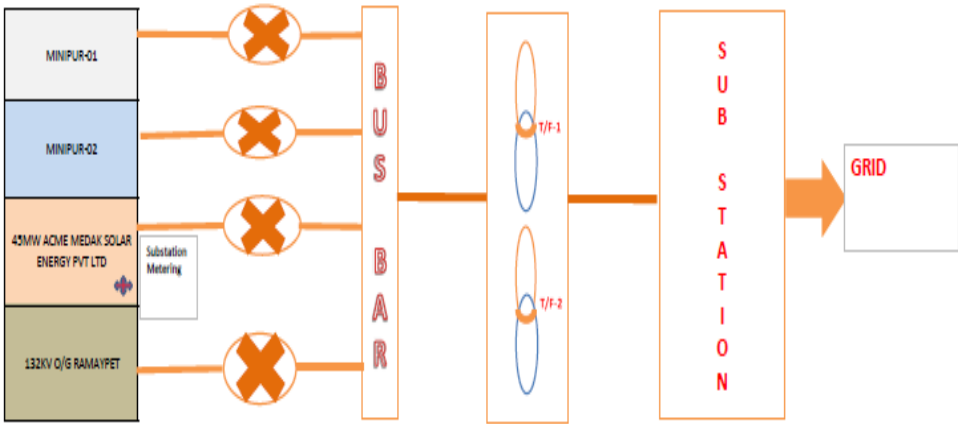
The project activity not result in any unidentified activity that can result in substantial emissions from the project activity. No need for emergency preparedness in data monitoring is visualized.

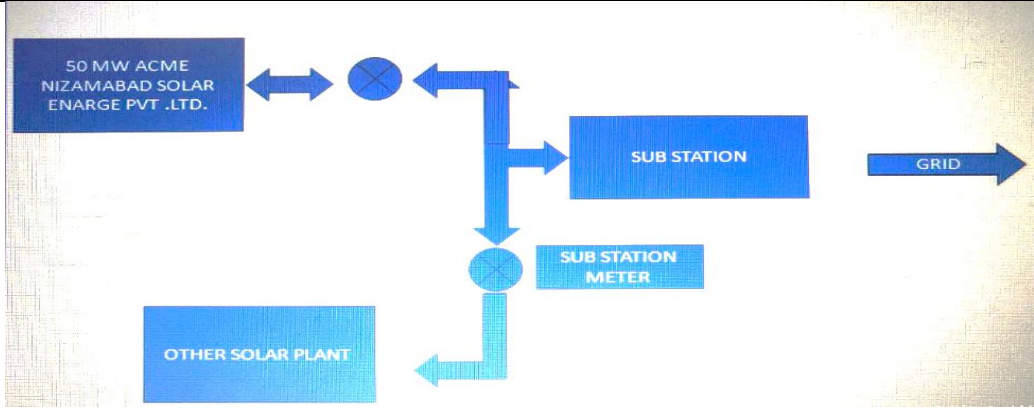
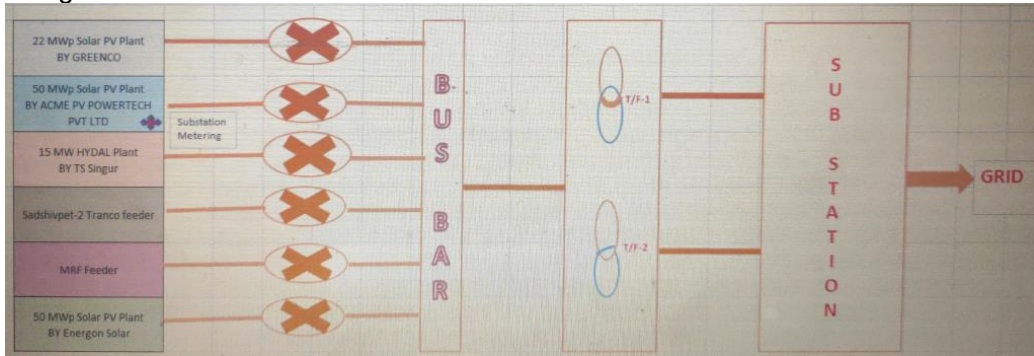
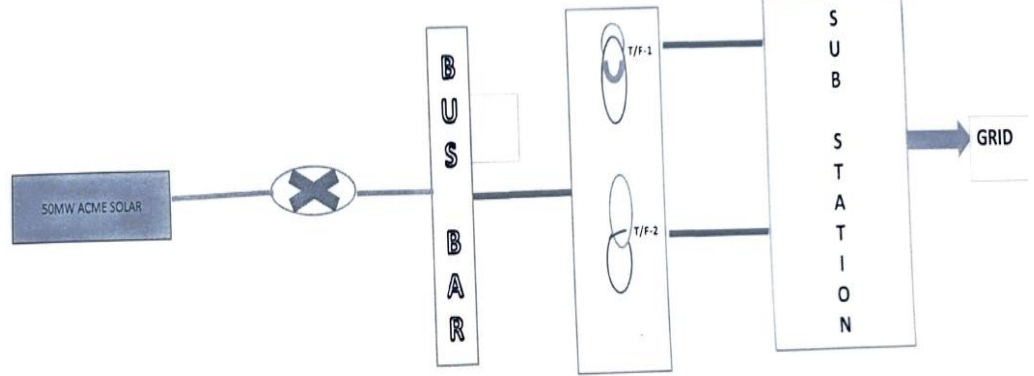
Personnel training

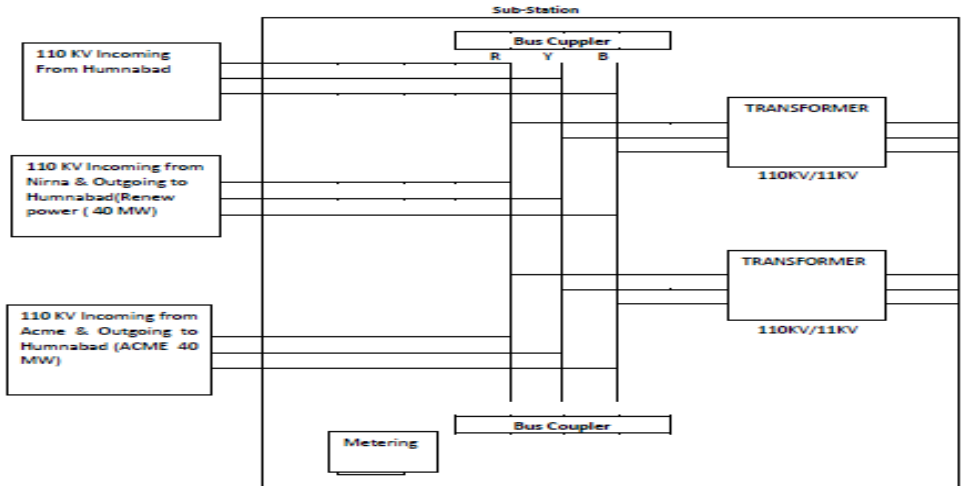
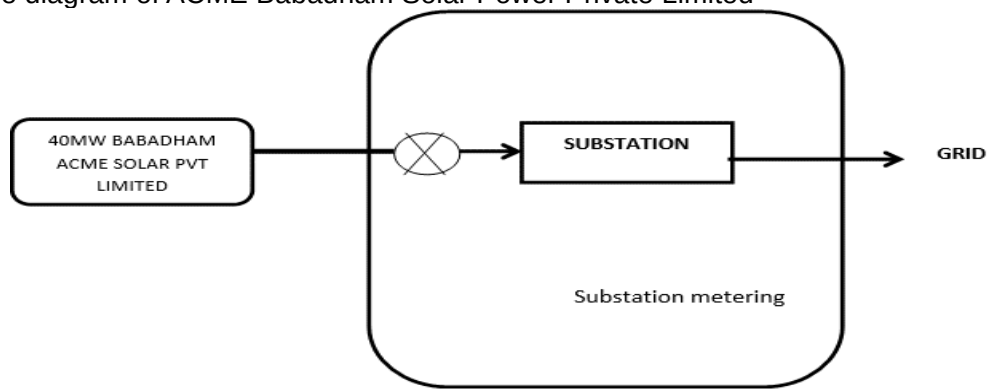
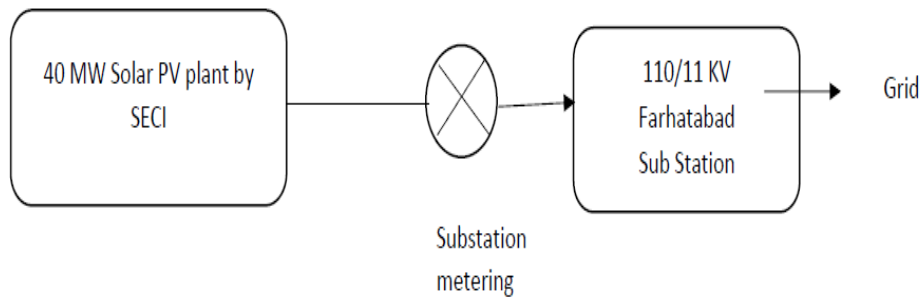
In order to ensure a proper functioning of the project activity and a properly monitoring of emission reductions, the staff are being trained. The plant helpers trained in equipment operation, data recording, reports writing, operation and maintenance and emergency procedures in compliance with the monitoring plan.

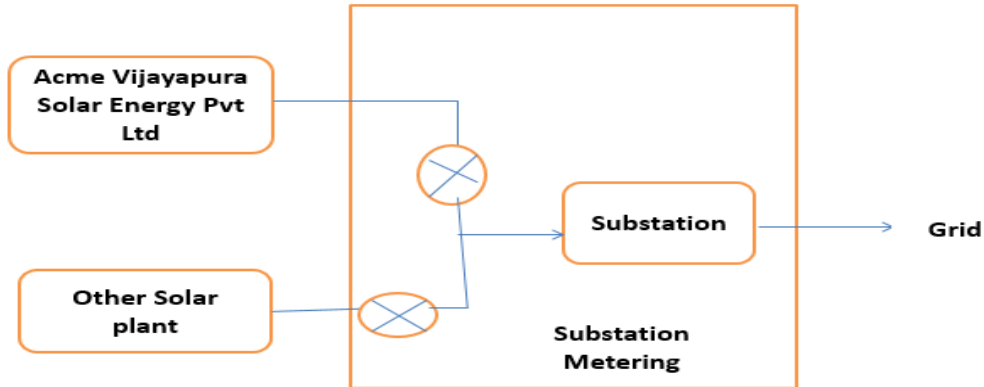
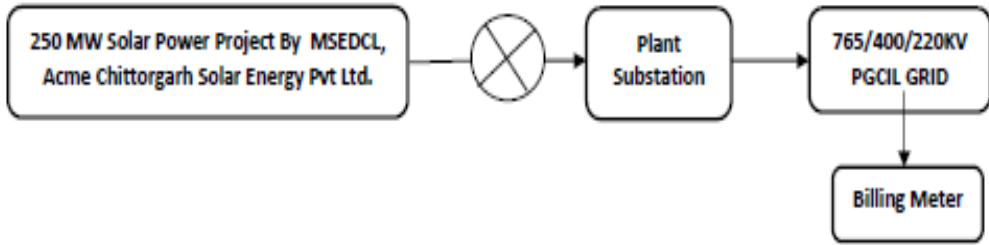
Line diagram of all Plant activity:

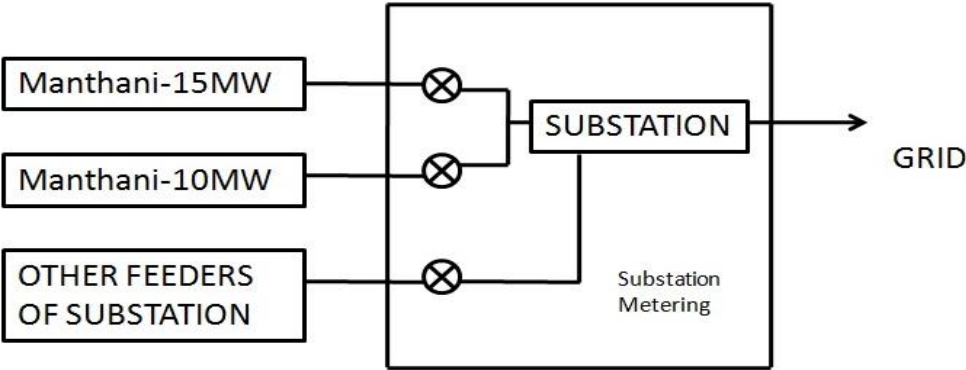
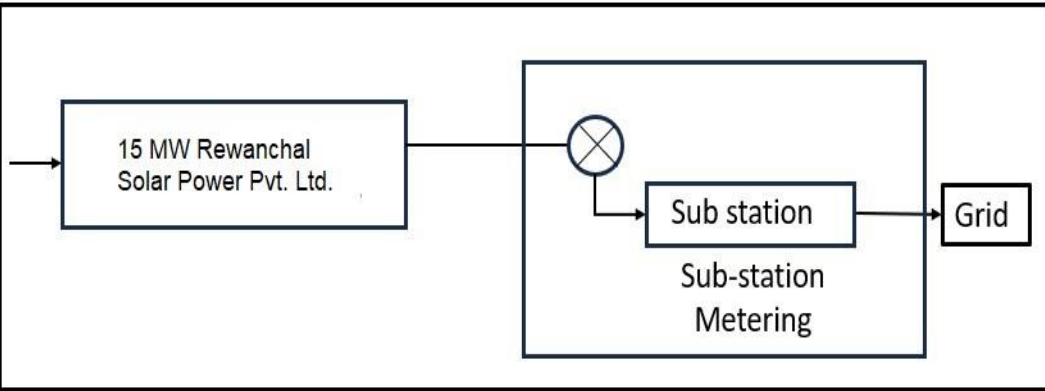
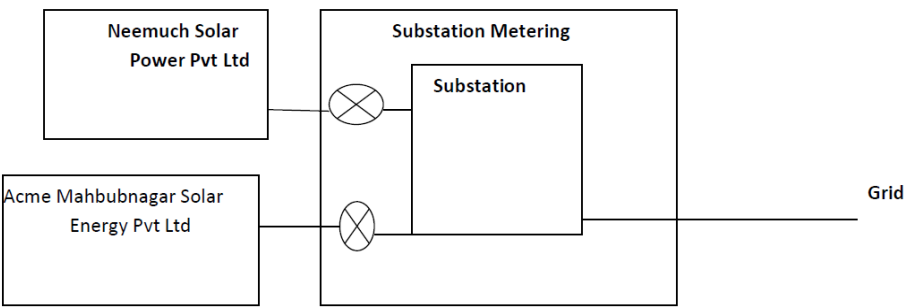
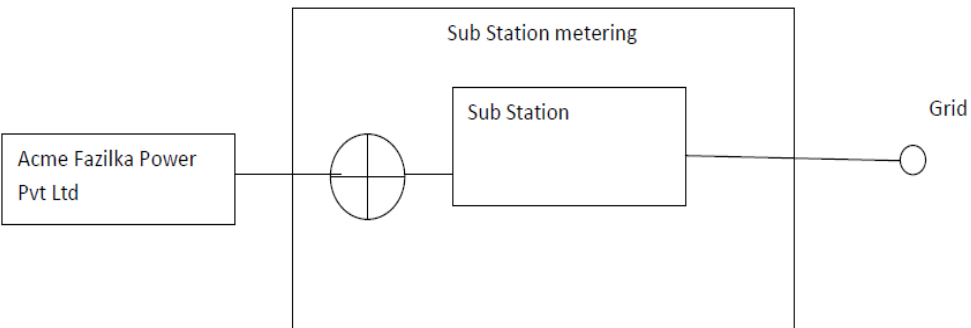
Serial Number	Single line block diagram of SPV
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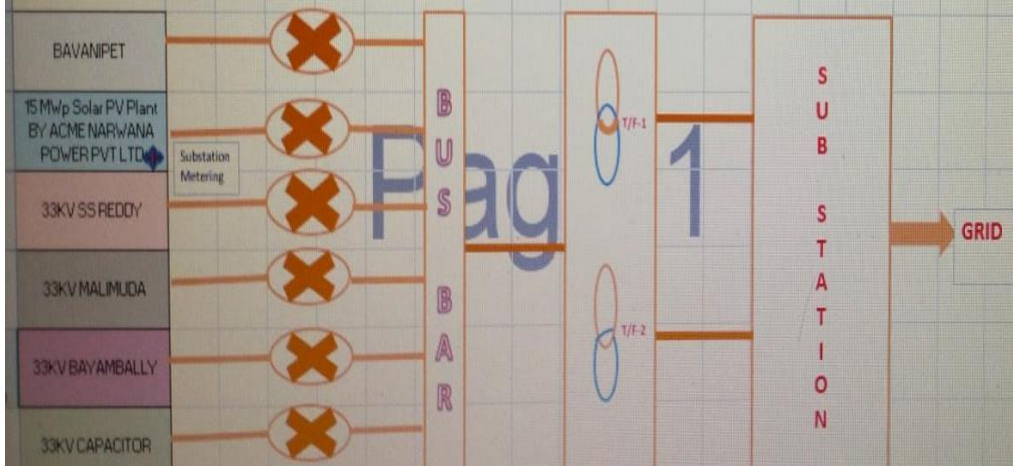
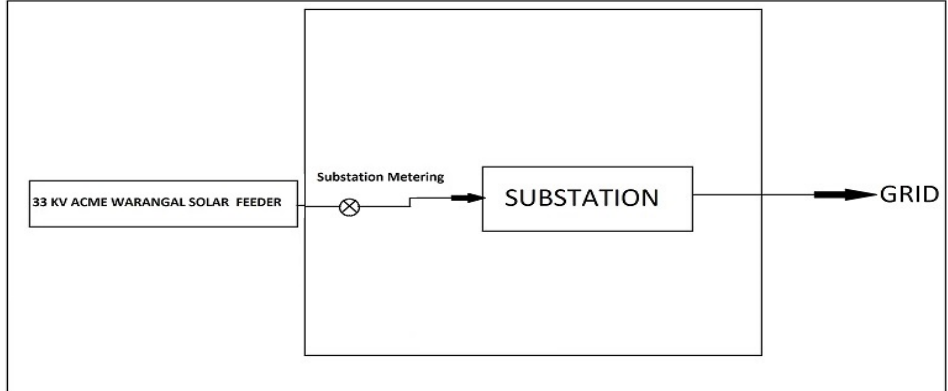
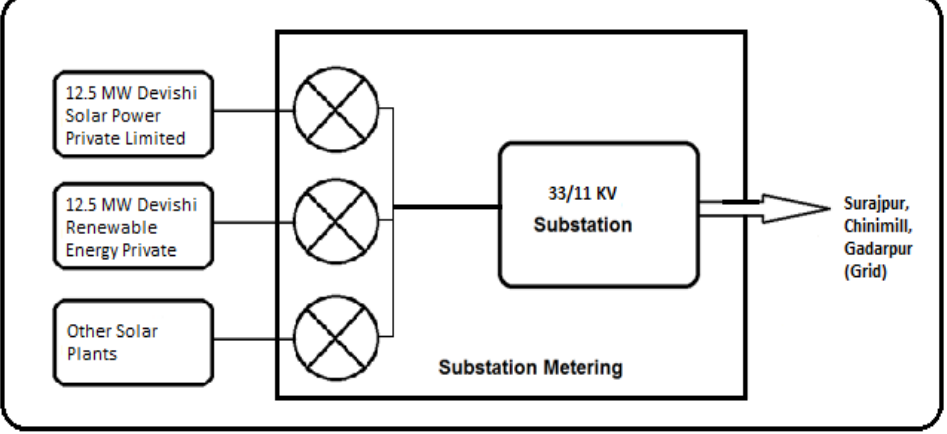
1.	Line Diagram of Sunworld Solar Power Pvt. Ltd.  <pre> graph LR A[30 MW Sunworld Solar Power Pvt. Ltd.] --> B((X)) B --> C[132 Kv/33 Jagtial Substation] C --> D[Grid] </pre>
2.	Line diagram of ReNew Ranga Reddy Solar Power Pvt. Ltd  <pre> graph LR A[ACER RANGAREDDY SOLAR POWER PVT. LTD SIRCILLA 30 MW] --> B((X)) B --> C[200KV/133KV TRANSCO SUBSTATION SIRCILLA METERING] C --> D[Grid] </pre>
3.	Line diagram of ReNew Medak Solar Energy Pvt. Ltd  <pre> graph LR A1[MINIPUR-01] --> B((X)) A2[MINIPUR-02] --> C((X)) A3[45MW ACME MEDAK SOLAR ENERGY PVT LTD] --> D((X)) A4[132KV Q/S RAMAIPET] --> E((X)) B --- F[BUS BAR] C --- F D --- F E --- F F --> G[T/F-1] F --> H[T/F-2] G --- I[SUBSTATION] H --- I I --> J[GRID] </pre>
4.	Line diagram of ReNew Nizamabad Solar Energy Pvt. Ltd.

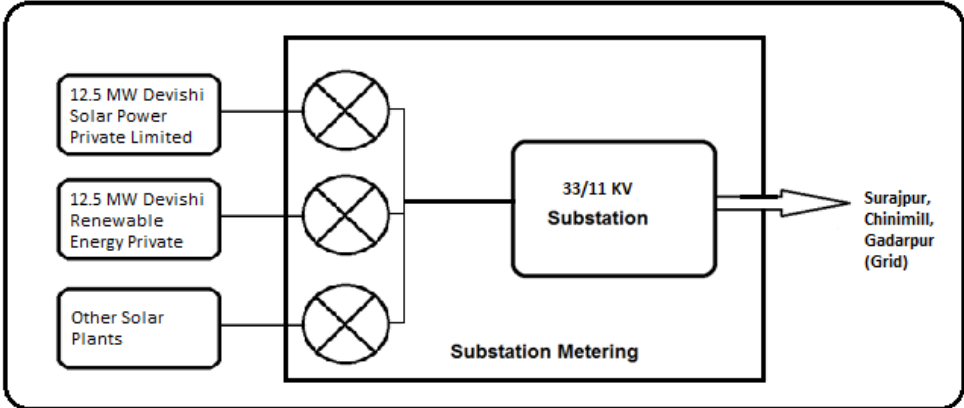
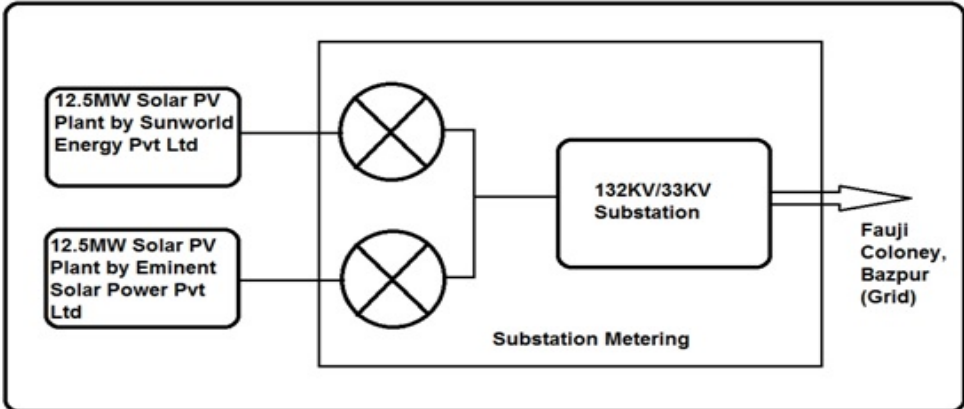
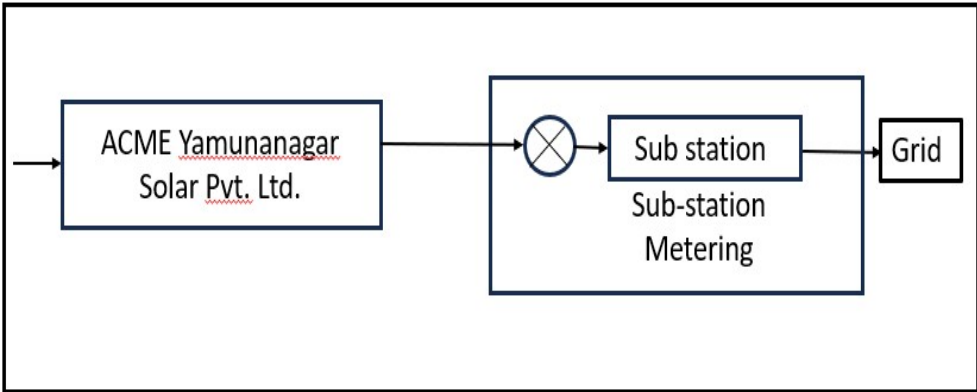
	
5.	Line diagram of ACME PV Powertech Private Limited 
6.	Line diagram of ACME Solar Power Technology Private Limited 
7.	ACME Kaithal Solar Power Private Limited

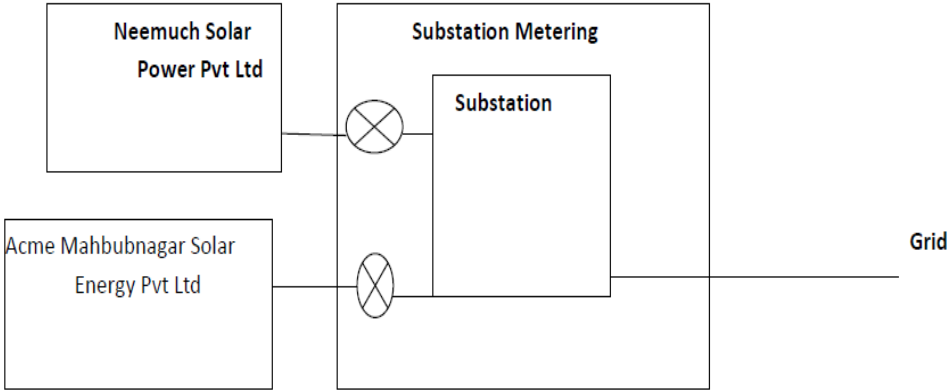
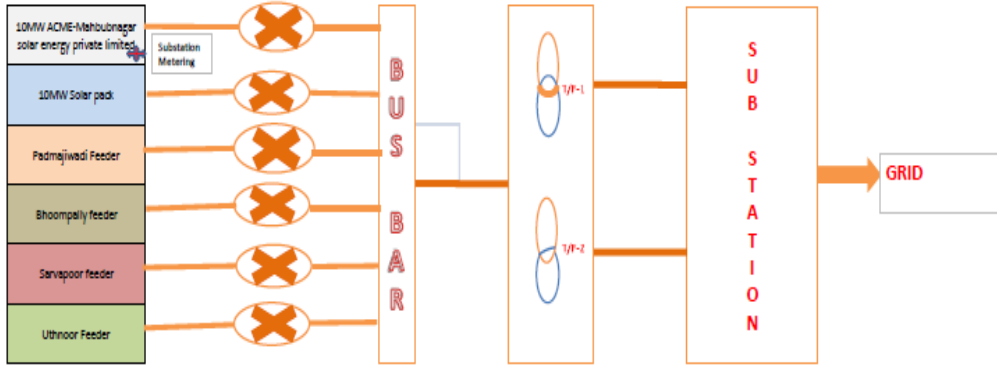
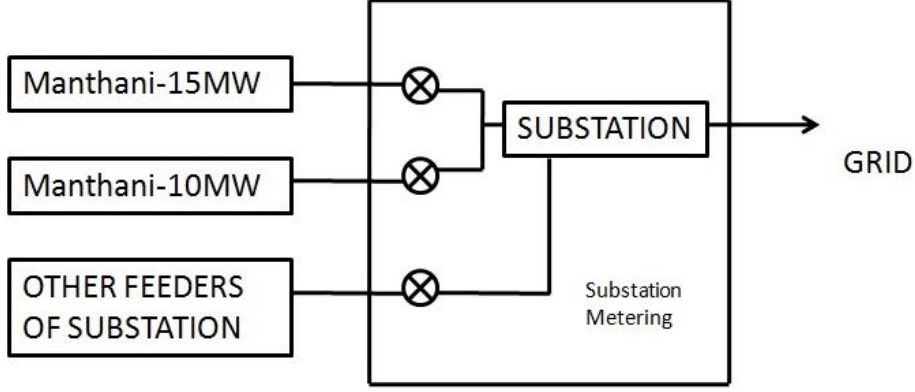
	
8.	Line diagram of ACME Babadham Solar Power Private Limited 
9.	Line diagram of ACME Koppal Solar Energy Private Limited 
10.	Line diagram of ACME Vijayapura Solar Energy Pvt. Ltd.

	 <pre> graph LR A[Acme Vijayapura Solar Energy Pvt Ltd] --> J(()) B[Other Solar plant] --> J J --> C[Substation] C --> D[Grid] subgraph "Substation Metering" J C end </pre>
11.	Line diagram of ACME Rewa Solar Energy Pvt. Ltd.  <pre> graph LR subgraph Plants P1[ACME REWA SOLAR ENERGY PVT LTD- SECI- 100 MW] P2[ACME JODHPUR SOLAR POWER PVT LTD- SECI- 100 MW] P3[SB ENERGY ONE PVT LTD- SECI 100 MW] P4[SB ENERGY ONE PVT LTD- SECI 100 MW] P5[SB ENERGY ONE PVT LTD- SECI 100 MW] end Plants --> J(()) J --> C[220/33 KV_ Pooling Sub Station_ SAURYA URJA COMPANY OF RAJASTHAN LIMITED] C --> D[400/220 KV_ GSS BHADLA_ RVPNL] D --> E[Billing Metering] </pre>
12.	Line diagram of Acme Chittorgarh Solar Energy Private Limited.  <pre> graph LR A[250 MW Solar Power Project By MSEDCL, Acme Chittorgarh Solar Energy Pvt Ltd.] --> J(()) J --> B[Plant Substation] B --> C[765/400/220KV PGCIL GRID] C --> D[Billing Meter] </pre>
13.	Line diagram of ReNew Purvanchal Solar Power Pvt. Ltd.

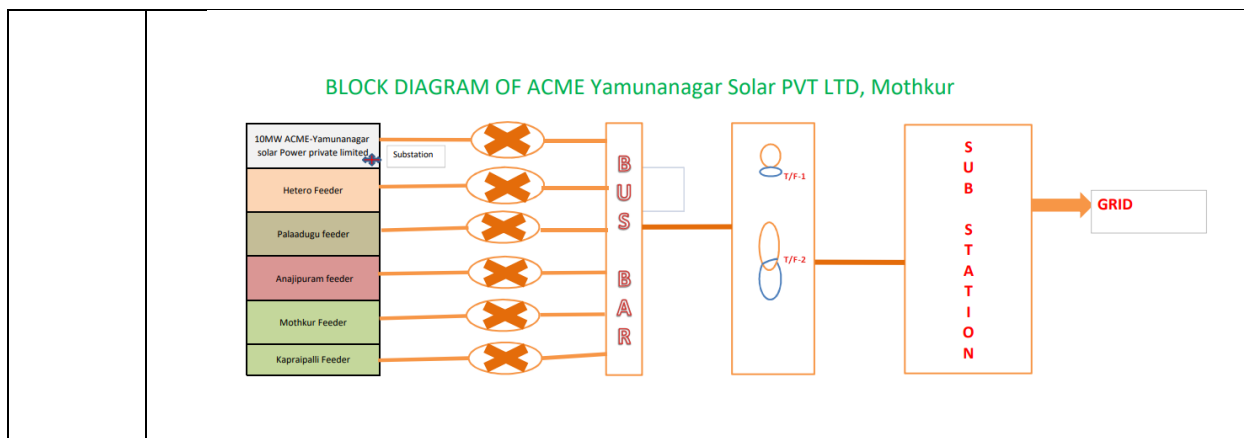
	
14.	Line diagram of ReNew Rewanchal Solar Power Pvt. Ltd. 
15.	Line diagram of ReNew Neemuch Solar Power Pvt. Ltd. 
16.	Line diagram of ReNew Neemuch Solar Power Pvt. Ltd. 

17.	Line diagram of ReNew Narwana Solar Power Pvt. Ltd. 
18.	Line diagram of ReNew Warangal Solar Power Pvt. Ltd. 
19.	Line diagram of Devishi Renewable Energy Pvt. Ltd. 
20.	Line diagram of Devishi solar Pvt. Ltd.

	
21.	Line diagram of Sunworld Energy Pvt. Ltd. 
22.	Line diagram of ACME Yamunanagar Solar Power Pvt. Ltd-1 (KOSGI) 
23.	Line diagram of ACME Mahbubnagar Solar Energy Pvt. Ltd-2 (GODHUR)

	
24.	Line diagram of ACME Mahbubnagar Solar 3 (PADMAJIWADI) 
25.	Line diagram of ACME Mahbubnagar Solar 1 (MANTHANI) 
26.	Line diagram of Athena site (Karnal solar Power, Hisar Solar Power, and Bhiwadi Solar Power)

	Single line diagram of Athena site, AP Seci, Andhra Pradesh The diagram illustrates the power flow from three solar power plants to a 400 KV PGCIL substation. The plants are: 25 MW Athena Karnal Solar Power plant (P1) - Feeder 1A, 25 MW Athena Karnal Solar Power plant (P1) - Feeder 1B, 25 MW Athena Hisar Solar Power plant (P3) - Feeder 3A, 25 MW Athena Hisar Solar Power plant (P3) - Feeder 3B, 25 MW Athena Bhiwadi Solar Power plant (P6) - Feeder 6A, and 25 MW Athena Bhiwadi Solar Power plant (P6) - Feeder 6B. Each plant has an ABT Stand-by meter fixed at the plant end and an ABT Main & Check Meters fixed at the PSS end. The feeders connect to 220 KV PSS 1, 220 KV PSS 2, and 220 KV PSS 3, which then connect to the 400 KV PGCIL substation NP Kunta.
27.	ReNew Karimnagar Solar Private Limited The diagram shows an existing 33KV twin moose bus connected to a 33KV, 800A isolator and a 33KV, 1600A, 25KA, VCB. It includes two sets of 33KV line CTs (400-200/1-1A, Core-1: 15VA, CL 5P10, Core-2: 15VA, CL 0.2) and two sets of 33KV metering CTs (300A/1A, 0.2S, 5VA) with corresponding metering PTs (33KV/110V, 0.2, 10VA). The diagram also shows a 33KV, 800A isolator and a 30KV, 10KA lightning arrester. The meters are labeled as STAND BY ABT METER, MAIN ABT METER, and CHECK ABT METER.
28.	Single line Block Diagram of Devishi Solar and Devishi Renewable SINGLE LINE DIAGRAM OF GADARPUR SITE UTTARAKHAND The diagram shows the power flow from two solar power plants, 12.5 MW DEVISHI RENEWABLE ENERGY PVT. LTD. (GADARPUR-01) and 12.5 MW DEVISHI SOLAR POWER PVT. LTD. (GADARPUR-02), through ABT Main Meter and Check Meter, to a 33/11 KV SUB STATION CHINIMILL GSS, and finally to a 220/33 KV SUB STATION ZAFARPUR.
29.	line diagram of ACME Yamunanagar Solar Private Limited, Mothkur



5 QUANTIFICATION OF GHG EMISSION REDUCTIONS AND REMOVALS

5.1 Baseline Emissions

The baseline emission calculation for the project activity instances is attributable to the CO₂ Emission that could have been produced by the fossil fuel based power plants in absence of the project activity. Therefore, the amount electricity supplied to the Indian grid multiplied by the grid emission factor of Indian grid to calculate the baseline emissions reduced by the project activity.

$$BE_y = EG_{PJ, y} \times EF_{grid, CM, y}$$

Where,

BE_y^{31} = Baseline Emissions in year y; tCO_{2e}

$EG_{PJ, y}$ = Quantity of net electricity supplied to the grid as a result of the implementation of the CDM project activity in year y (MWh)

$EF_{grid, CM, y}$ = CO₂ emission factor of the grid in year y; tCO_{2e}/MWh

Thus, baseline emissions are calculated as follows

SPVs Name	26-April-2022 to 31-December-2022			01-January-2023 to 31-January-2023		
	$EG_{PJ, y}$	$EF_{grid, CM, y}$	BE_y	$EG_{PJ, y}$	$EF_{grid, CM, y}$	BE_y
	MWh	tCO _{2e} /MWh	tCO _{2e}	MWh	tCO _{2e} /MWh	tCO _{2e}

³¹ Equation As per methodology ACM0002, Equation 11.

Sunworld Solar Power Pvt Ltd	37,052.60	0.9475	35,107	4,587.69	0.9475	4,346
ReNew Ranga Reddy Solar Power Pvt Ltd	34,610.36	0.9475	32,793	4,883.25	0.9475	4,626
ReNew Medak Solar Energy Pvt Ltd	54,551.40	0.9475	51,687	8,408.86	0.9475	7,967
ReNew Nizamabad Solar Energy Pvt Ltd	48,381.14	0.9475	45,841	8,000.98	0.9475	7,580
ACME PV Powertech Private Limited (Sadashivpet)	62,205.13	0.9475	58,939	9,014.25	0.9475	8,540
ACME Solar Power Technology Private Limited	64,200.75	0.9475	60,830	9,135.89	0.9475	8,656
Athena Bhiwadi Solar Power Pvt Ltd	71,216.38	0.9475	67,477	10,707.61	0.9475	10,145
Athena Hisar Solar Power Private Limited	70,598.58	0.9475	66,892	10,604.12	0.9475	10,047
Athena Karnal Solar Power Private Limited	70,547.91	0.9475	66,844	10,623.98	0.9475	10,066
ACME Kaithal Solar Power Private Limited	52,445.34	0.9475	49,691	8,083.38	0.9475	7,658
ACME Babadham Solar Power Private Limited	53,558.70	0.9475	50,746	8,155.13	0.9475	7,726
ACME Koppal Solar Energy Private Limited	51,579.94	0.9475	48,871	7,766.49	0.9475	7,358
ACME Vijayapura Solar Energy Pvt Ltd	51,504.25	0.9475	48,800	8,015.13	0.9475	7,594
ACME Rewa Solar Energy Pvt Ltd	163,490.63	0.9475	154,907	18,897.61	0.9475	17,905
Acme Chittorgarh Solar Energy Private Limited	405,179.17	0.9475	383,907	45,600.38	0.9475	43,206
ReNew Karimnagar Solar Power Pvt Ltd	17,306.75	0.9475	16,398	2,402.42	0.9475	2,276
ReNew Purvanchal Solar Power Pvt Ltd	19,118.70	0.9475	18,114	2,643.26	0.9475	2,504
ReNew Rewanchal Solar Power Pvt Ltd	15,527.45	0.9475	14,712	2,237.45	0.9475	2,119
ReNew Neemuch Solar Power Pvt Ltd	19,021.54	0.9475	18,022	2,665.26	0.9475	2,525
ReNew Fazilka Power Pvt Ltd (Nandipet)	18,593.67	0.9475	17,617	2,562.13	0.9475	2,427
ReNew Narwana Solar Power Pvt Ltd (Lingampet)	17,225.36	0.9475	16,321	2,638.09	0.9475	2,499
ReNew Warangal Solar Power Pvt Ltd	18,275.77	0.9475	17,316	2,642.99	0.9475	2,504
Devishi Renewable Energy Pvt Ltd	15,059.38	0.9475	14,268	1,039.35	0.9475	984
Devishi Solar Power Pvt Ltd	15,093.62	0.9475	14,301	1,037.30	0.9475	982
Sunworld Energy Pvt Ltd	13,888.61	0.9475	13,159	969.20	0.9475	918
ACME Yamunanagar Solar Power Pvt Ltd-1 (KOSGI)	13,351.86	0.9475	12,650	2,009.64	0.9475	1,904

ACME Yamunanagar Solar Power Pvt Ltd-2 (MOTHKUR)	13,173.34	0.9475	12,481	1,937.54	0.9475	1,835
ACME Mahbubnagar Solar Energy Pvt Ltd-2 (GODHUR)	12,898.52	0.9475	12,221	1,806.25	0.9475	1,711
ACME Mahbubnagar Solar Energy Pvt Ltd-3 (PADMAJIWADI)	13,654.50	0.9475	12,937	1,922.31	0.9475	1,821
ACME Mahbubnagar Solar Energy Pvt Ltd-1 (MANTHANI)	12,830.45	0.9475	12,156	1,784.96	0.9475	1,691
Total (MW)	1,526,141.80		1,446,005	202,782.88		192,120

$$\begin{aligned}
 BE_y &= 1,446,005 \text{ tCO}_2\text{e} + 192,120 \text{ tCO}_2\text{e} \\
 &= 1,638,125 \text{ tCO}_2\text{e} \text{ (round down values)}
 \end{aligned}$$

5.2 Project Emission

As per methodology AMD I.D. Version 18.0 and ACM0002 Version 19.0, for renewable energy projects, there is no any project emissions occurred.

Hence, $PE_y = 0$

5.3 Leakage

As per methodology AMD I.D. Version 18.0 and ACM0002 Version 19.0, for renewable energy projects, there is no any leakage emissions occurred.

Hence, $LE_y = 0$

5.4 Net GHG Emission Reductions and Removals

The Formula used to calculate the net emission reduction for the project activity is

$$ER_y = BE_y - PE_y - LE_y$$

Where,

ER_y = Emission Reduction in tCO_2/year

BE_y = Baseline emission in tCO_2/year

PE_y = Project emissions in tCO_2/year

LE_y = Leakage Emissions in tCO_2/year

For the project activity during the current monitoring period, as per section 5.1

$BE_y = 1,638,125 \text{ tCO}_2\text{e}$

$PE_y = 0 \text{ tCO}_2\text{e}$

LEy = 0 tCO₂e

Year	Baseline emissions or removals (tCO ₂ e)	Project emissions or removals (tCO ₂ e)	Leakage emissions (tCO ₂ e)	Net GHG emission reductions or removals (tCO ₂ e)
26-April-2022 to 31-December-2022	1,446,005	0	0	1,446,005
01-January-2023 to 31-January-2023	192,120	0	0	192,120
Total	1,638,125	0	0	1,638,125

Actual emission reduction and estimated emission reduction details are as tabulated below:

Description	Year 2022 (26-April-2022 to 31-December-2022)	Year 2022 (01-January-2023 to 31-January-2023)	For Complete Monitoring Period) 26-April-2022 to 31-January-2023
Actual Emission Reduction considering the monitoring period (tCO ₂ e)	1,446,005	192,120	1,638,125
Monitoring Period Start Date	26-April-2022	01-January-2023	26-April-2022
Monitoring Period End Date	31-December-2022	31-January-2023	31-January-2023
Total Days	250	31	281
Estimated Emission Reduction as per Registered PDD (for 365 days)	1,920,889 ³²	1,920,889	1,920,889
Emission Reduction as per the registered PDD (tCO ₂ e)	1,315,677	163,143	1,478,821
Variation in the emission reduction	9.91%	16.95%	10.77%

<u>Ex-ante emissions reductions/removals</u>	<u>Achieved emissions reductions/removals</u>	<u>Percent difference</u>	<u>Justification for the difference</u>
1,478,821	1,638,125	10.77%	Generation (PLF) of solar plant increases due to positive change

³² The reported value is accurate. According to the registered PDD, the estimated annual emission is 2,078,589 tCO₂e. However, due to an approved deviation (Deviation 7), ACME Rewari Solar Power Pvt Ltd and ACME Kurukshetra Solar Energy Pvt Ltd, with a total capacity of 100 MW, are no longer considered part of this grouped project. As a result, the total project capacity has been reduced from 1207.50 MW to 1107.50 MW. The correct estimated emission reduction is 1,920,889, and this value is calculated by subtracting the estimated value of ACME Rewari Solar Power Pvt Ltd and ACME Kurukshetra Solar Energy Pvt Ltd from the initial estimate, as referenced in the registered PDD section 1.7, "Project Scale and Estimated GHG Emission Reductions or Removals."

			of solar radiation which is natural phenomena and nature dependent. The variation in the PLF is not under control of project participant nor such an increase it was envisaged at the time of validation. Detail justification for the difference are as follows
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Though the emission reduction amount is higher during the current monitoring period but additionality of the project activity is not influenced as the PLF breaching value with respect to registered PD sensitivity analysis is below the breaching benchmark values. Comparison of SPV wise average PLF from the start date of monitoring period to end date of current monitoring period (from 10-July-2017 to 31-January-2023) and PLF breaching value with respect to registered PD sensitivity analysis are as follows:

Activity Instance	SPVs	Capacity (MW)	Average PLF (from 10-July-2017 to 31-January-2023)	Estimated PLF as per Registered VCS PD	PLF Additionality Breaching Values as per sensitivity analysis	Additionality Check for breached value
1	Sunworld Solar Power Pvt Ltd	30.0	21.06%	19.00%	38.16%	No
	ReNew Ranga Reddy Solar Power Pvt Ltd	30.0	21.63%	19.00%	33.66%	No
	ReNew Medak Solar Energy Pvt Ltd	45.0	24.27%	19.00%	36.90%	No
	ReNew Nizamabad Solar Energy Pvt Ltd	50.0	22.85%	19.00%	35.79%	No
	ACME PV Powertech Private Limited (Sadashivpet)	50.0	23.69%	19.00%	30.32%	No
	ACME Solar Power Technology Private Limited	50.0	22.29%	19.00%	30.32%	No
	Athena Bhiwadi Solar Power Pvt Ltd	50.0	23.10%	19.00%	26.18%	No
	Athena Hisar Solar Power Private Limited	50.0	23.08%	19.00%	26.18%	No

Activity Instance	SPVs	Capacity (MW)	Average PLF (from 10-July-2017 to 31-January-2023)	Estimated PLF as per Registered VCS PD	PLF Additionality Breaching Values as per sensitivity analysis	Additionality Check for breached value
	Athena Karnal Solar Power Private Limited	50.0	23.15%	19.00%	26.18%	No
	ACME Kaithal Solar Power Private Limited	40.0	21.24%	19.00%	26.74%	No
	ACME Babadham Solar Power Private Limited	40.0	21.67%	19.00%	26.74%	No
	ACME Koppal Solar Energy Private Limited	40.0	25.15%	19.00%	26.74%	No
	ACME Vijayapura Solar Energy Pvt Ltd	40.0	21.37%	19.00%	26.74%	No
	ACME Rewa Solar Energy Pvt Ltd	100.0	29.44%	23.50%	26.58%	No
	Acme Chittorgarh Solar Energy Private Limited	250.0	25.45%	23.50%	20.18%	No
2	ReNew Karimnagar Solar Power Pvt Ltd	15.0	Not Applicable as these are small-scale project activities which is auto additional.			
3	ReNew Purvanchal Solar Power Pvt Ltd	15.0				
4	ReNew Rewanchal Solar Power Pvt Ltd	15.0				
5	ReNew Neemuch Solar Power Pvt Ltd	15.0				
6	ReNew Fazilka Power Pvt Ltd (Nandipet)	15.0				
7	ReNew Narwana Solar Power Pvt Ltd (Lingampet)	15.0				
8	ReNew Warangal Solar Power Pvt Ltd	15.0				
9	Devishi Renewable Energy Pvt Ltd	12.5				
10	Devishi Solar Power Pvt Ltd	12.5				
11	Sunworld Energy Pvt Ltd	12.5				
12	ACME Yamunanagar Solar Power Pvt Ltd-1 (KOSGI)	10.0				
13	ACME Yamunanagar Solar Power Pvt Ltd-2 (MOTHKUR)	10.0				
14	ACME Mahbubnagar Solar Energy Pvt Ltd-2 (GODHUR)	10.0				

Activity Instance	SPVs	Capacity (MW)	Average PLF (from 10-July-2017 to 31-January-2023)	Estimated PLF as per Registered VCS PD	PLF Additionality Breaching Values as per sensitivity analysis	Additionality Check for breached value
15	ACME Mahbubnagar Solar Energy Pvt Ltd-3 (PADMAJIWADI)	10.0				
16	ACME Mahbubnagar Solar Energy Pvt Ltd-1 (MANTHANI)	10.0				
	Total (MW)	1107.50				

Please note this higher positive variation in PLF is instantaneous and would not expect to be continue throughout the life time of the project activity.

APPENDIX 1: CALIBRATION DETAILS

Since metering arrangement, monitoring practice, accuracy class, calibration interval is under control of state electricity board, the PP do not have any control on monitoring practice and calibration of meters.

The Energy Meters details used for commissioned project activity is tabulated below:

Table 4. SPV meter details

Project Instance Number	Name of the SPVs	Capacity (MW)	Main Meter Details	Check Meter Details	Calibration Date	Due date
1	Sunworld Solar Power Pvt Ltd	30	SL. No. APZ00191 Make: Secure Accuracy class: 0.2s	SL. No. APZ00192 Make: Secure Accuracy class: 0.2s	17-December-2019	16-December-2024
	ReNew Ranga Reddy Solar Power Pvt Ltd	30	SL. No. APZ00197 Make: Secure Accuracy class: 0.2s	SL. No. APZ00198 Make: Secure Accuracy class: 0.2s	29-November-2019	28-November-2024
	ReNew Medak Solar Energy Pvt Ltd	45	SL. No. APZ00188 Make: Secure Accuracy class: 0.2s	SL. No. APZ00189 Make: Secure Accuracy class: 0.2s	29-October-2020	28-October-2025
	ReNew Nizamabad Solar Energy Pvt Ltd	50	SL. No. APZ00194 Make: Secure Accuracy class: 0.2s	SL. No. APZ00195 Make: Secure Accuracy class: 0.2s	21-March-2020	20-March-2025
	ACME PV Powertech Private Limited (Sadashivpet)	50	SL. No. APZ00201 Make: Secure Accuracy class: 0.2s	SL. No. APZ00202 Make: Secure Accuracy class: 0.2s	19-September-2020	18-September-2025
	ACME Solar Power Technology Private Limited	50	SL. No. APZ00185 Make: Secure Accuracy class: 0.2s	SL. No. APZ00186 Make: Secure Accuracy class: 0.2s	09-November-2020	08-November-2025
	Athena Bhiwadi Solar Power Pvt Ltd	50	SL. No.: AT-0501-A Make: Larsen & Toubro Limited Accuracy Class: 0.2s	SL. No.: AT-0502-A Make: Larsen & Toubro Limited Accuracy Class: 0.2s	10-September-2018	09-September-2023
	Athena Hisar Solar Power Private Limited	50	SL. No. AT-0496-A Make: Larsen & Toubro Limited Accuracy Class: 0.2s	SL. No. AT-0495-A Make: Larsen & Toubro Limited Accuracy Class: 0.2s	11-September-2018	10-September-2023
	Athena Karnal Solar Power Private Limited	50	SL. No. AT-0507-A Make: Larsen & Toubro Limited Accuracy Class: 0.2s	SL. No. AT-0508-A Make: Larsen & Toubro Limited Accuracy Class: 0.2s	11-September-2018	10-September-2023
	ACME Kaithal Solar Power Private Limited	40	SL. No. 17054932 Accuracy class: 0.2s	SL. No. 17054938 Accuracy class: 0.2s	03-March-2018	02-March-2023

Project Instance Number	Name of the SPVs	Capacity (MW)	Main Meter Details	Check Meter Details	Calibration Date	Due date
	ACME Babadham Solar Power Private Limited	40	SL. No. 16113468 Accuracy class: 0.2s	SL. No. 17069195 Accuracy class: 0.2s	18-August-2020	17-August-2025
	ACME Koppal Solar Energy Private Limited	40	SL. No. 17115504 Accuracy class: 0.2s	SL. No. 17069212 Accuracy class: 0.2s	20-July-2020	19-July-2025
	ACME Vijayapura Solar Energy Pvt Ltd	40	SL. No. 17054962 Accuracy class: 0.2s	SL. No. 17054957 Accuracy class: 0.2s	09-June-2020	08-June-2025
	ACME Rewa Solar Energy Pvt Ltd	100	SL. No. 18053541 Make: L&T Accuracy Class: 0.2s	SL. No. 18053542 Make: L&T Accuracy Class: 0.2s	16-September-2020	15-September-2025
	ACME Chittorgarh Solar Energy Pvt. Ltd	250	SL. No. 18053539 Make: L&T Accuracy Class: 0.2s	SL. No. 18053540 Make: L&T Accuracy Class: 0.2s	26-September-2021	25-September-2026
2	ReNew Karimnagar Solar Power Pvt Ltd	15	SL. No. APZ00131 Make: Secure Apex 150 Accuracy class: 0.2s	SL. No. APZ00132 Make: Secure Apex 150 Accuracy class: 0.2s	09-January-2021	08-January-2026
3	ReNew Purvanchal Solar Power Pvt Ltd	15	SL. No. APZ00102 Make: Secure Accuracy class: 0.2s	SL. No. APZ00103 Make: Secure Accuracy class: 0.2s	16-November-2019	15-November-2024
4	ReNew Rewanchal Solar Power Pvt Ltd	15	SL. No. APZ00106 Make: Secure Accuracy class: 0.2s	SL. No. APZ00107 Make: Secure Accuracy class: 0.2s	05-January-2021	04-January-2026
5	ReNew Neemuch Solar Power Pvt Ltd	15	SL. No. APZ00111 Make: Secure Accuracy class: 0.2s	SL. No. APZ00112 Make: Secure Accuracy class: 0.2s	18-July-2019	17-July-2024
6	ReNew Fazilka Power Pvt Ltd (Nandipet)	15	SL. No. APZ00116 Make: Secure Accuracy class: 0.2s	SL. No. APZ00117 Make: Secure Accuracy class: 0.2s	21-June-2019	22-June-2024
7	ReNew Narwana Solar Power Pvt Ltd (Lingampet)	15	SL. No. APZ00126 Make: Secure Accuracy class: 0.2s	SL. No. APZ00127 Make: Secure Accuracy class: 0.2s	23-July-2020	22-July-2025
8	ReNew Warangal Solar Power Pvt Ltd	15	SL. No. APZ00121 Make: Secure Accuracy class: 0.2s	SL. No. APZ00122 Make: Secure Accuracy class: 0.2s	13-December-2019	12-December-2024

Project Instance Number	Name of the SPVs	Capacity (MW)	Main Meter Details	Check Meter Details	Calibration Date	Due date
9	Devishi Renewable Energy Pvt Ltd	13	SL. No. UKD02401 Make: Secure Accuracy class: 0.2s	SL. No. UKD02402 Make: Secure Accuracy class: 0.2s	01-November-2019	31-October-2024
10	Devishi Solar Power Pvt Ltd	13	SL. No. UKD02400 Make: Secure Accuracy class: 0.2s	SL. No. UKD02399 Make: Secure Accuracy class: 0.2s	01-November-2019	31-October-2024
11	Sunworld Energy Pvt Ltd	13	SL. No. UKD02416 Make: Secure Accuracy class: 0.2s	SL. No. UKD02417 Make: Secure Accuracy class: 0.2s	10-September-2021	09-September-2026
12	ACME Yamunanagar Solar Power Pvt Ltd-1 (KOSGI)	10	SL. No. APZ00321 Make: Secure Accuracy class: 0.2s	SL. No. APZ00322 Make: Secure Accuracy class: 0.2s	29-May-2019	28-May-2024
13	ACME Yamunanagar Solar Power Pvt Ltd-2 (MOTHKUR)	10	SL. No. APZ00316 Make: Secure Accuracy class: 0.2s	SL. No. APZ00317 Make: Secure Accuracy class: 0.2s	24-August-2020	25-August-2025
14	ACME Mahbubnagar Solar Energy Pvt Ltd-2 (GODHUR)	10	SL. No. APZ00301 Make: Secure Accuracy class: 0.2s	SL. No. APZ00302 Make: Secure Accuracy class: 0.2s	16-March-2020	15-March-2025
15	ACME Mahbubnagar Solar Energy Pvt Ltd-3 (PADMAJIWADI)	10	SL. No. APZ00312 Make: Secure Accuracy class: 0.2s	SL. No. APZ00313 Make: Secure Accuracy class: 0.2s	27-July-2020	26-July-2025
16	ACME Mahbubnagar Solar Energy Pvt Ltd-1 (MANTHANI)	10	SL. No. APZ00306 Make: Secure Accuracy class: 0.2s	SL. No. APZ00307 Make: Secure Accuracy class: 0.2s	16-November-2019	15-November-2024

APPENDIX 2: TRAINING RECORDS

Activity Instance	SPVs Name	No. of trainings
1	Sunworld Solar Power Pvt Ltd	41
	ReNew Ranga Reddy Solar Power Pvt Ltd	5
	ReNew Medak Solar Energy Pvt Ltd	53
	ReNew Nizamabad Solar Energy Pvt Ltd	11
	ACME PV Powertech Private Limited (Sadashivpet)	7
	ACME Solar Power Technology Private Limited	8
	Athena Bhiwadi Solar Power Pvt Ltd	59
	Athena Hisar Solar Power Private Limited	
	Athena Karnal Solar Power Private Limited	
	ACME Kaithal Solar Power Private Limited	24
	ACME Babadham Solar Power Private Limited	18
	ACME Koppal Solar Energy Private Limited	14
	ACME Vijayapura Solar Energy Pvt Ltd	28
	ACME Rewa solar energy private limited	19
	Acme Chittorgarh Solar Energy Private Limited	24
2	ReNew Karimnagar Solar Power Pvt Ltd	4
3	ReNew Purvanchal Solar Power Pvt Ltd	14
4	ReNew Rewanchal Solar Power Pvt Ltd	4
5	ReNew Neemuch Solar Power Pvt Ltd	5
6	ReNew Fazilka Power Pvt Ltd (Nandipet)	4
7	ReNew Narwana Solar Power Pvt Ltd (Lingampet)	4
8	ReNew Warangal Solar Power Pvt Ltd	5
9	Devishi Renewable Energy Pvt Ltd	19
10	Devishi Solar Power Pvt Ltd	21
11	Sunworld Energy Pvt Ltd	13
12	ACME Yamunanagar Solar Power Pvt Ltd-1 (KOSGI)	35
13	ACME Yamunanagar Solar Power Pvt Ltd-2 (MOTHKUR)	55
14	ACME Mahbubnagar Solar Energy Pvt Ltd-2 (GODHUR)	12
15	ACME Mahbubnagar Solar Energy Pvt Ltd-3 (PADMAJIWADI)	4
16	ACME Mahbubnagar Solar Energy Pvt Ltd-1 (MANTHANI)	7
Total		517

APPENDIX 3: SUBSTATION DETAILS

Activity Instance	SPVs Name	Capacity (MW)	Substation Name
1	Sunworld Solar Power Pvt Ltd	30.0	132/33 KV Sub-station, Jagtial
	ReNew Ranga Reddy Solar Power Pvt Ltd	30.0	132 KV SS Siricilla
	ReNew Medak Solar Energy Pvt Ltd	45.0	132/33 KV SS Medak
	ReNew Nizamabad Solar Energy Pvt Ltd	50.0	220/132 KV SS NIRMAL (AKKAPUR)
	ACME PV Powertech Private Limited (Sadashivpet)	50.0	220/132 KV MRF, Sadashivapet
	ACME Solar Power Technology Private Limited	50.0	Nemla(V), Rajapet(M), Yadadri Bhongir(Dist)
	Athena Bhiwadi Solar Power Pvt Ltd	50.0	400 KV PGCIL Substation NP Kunta
	Athena Hisar Solar Power Private Limited	50.0	400 KV PGCIL Substation NP Kunta
	Athena Karnal Solar Power Private Limited	50.0	400 KV PGCIL Substation NP Kunta
	ACME Kaithal Solar Power Private Limited	40.0	110 KV Chittaguppa Substation
	ACME Babadham Solar Power Private Limited	40.0	110/11 KV Byagwaty Substation
	ACME Koppal Solar Energy Private Limited	40.0	110/11 KV Farhatabad Substation
	ACME Vijayapura Solar Energy Pvt Ltd	40.0	220 KV R/S Halbarga
	ACME Rewa Solar Energy Pvt Ltd	100.0	400/220 KV_GSS BHADLA_RVPNL
	Acme Chittorgarh Solar Energy Private Limited	250.0	765/400/220 KV PGCIL GRID
2	ReNew Karimnagar Solar Power Pvt Ltd	15.0	132/33 KV Sub Station, Kalva Srirampur, Peddapally
3	ReNew Purvanchal Solar Power Pvt Ltd	15.0	132/33 KV Sub Station at Manthani (V) Peddapalli(dt)
4	ReNew Rewanchal Solar Power Pvt Ltd	15.0	132/33 KV Sub-station, Wadlakonda(V), Jangaon (M), Jangaon (District)
5	ReNew Neemuch Solar Power Pvt Ltd	15.0	132/33 KV Sub Station at Godur (V), Jagtial Dist.
6	ReNew Fazilka Power Pvt Ltd (Nandipet)	15.0	132/33 KV SS NANDIPET
7	ReNew Narwana Solar Power Pvt Ltd (Lingampet)	15.0	132/33 KV SS LINGAMPET
8	ReNew Warangal Solar Power Pvt Ltd	15.0	132 KV SS MALLARAM
9	Devishi Renewable Energy Pvt Ltd	12.5	33/11 KV Substation Surajpur, Chinimill, Gadarpur
10	Devishi Solar Power Pvt Ltd	12.5	33/11 KV Substation Surajpur, Chinimill, Gadarpur
11	Sunworld Energy Pvt Ltd	12.5	132/33 KV Substation Fauji Coloney, Bazpur

12	ACME Yamunanagar Solar Power Pvt Ltd-1 (KOSGI)	10.0	220/132/33 KV Substation, Kosgi
13	ACME Yamunanagar Solar Power Pvt Ltd-2 (MOTHKUR)	10.0	132/33 KV Mothkur Sub-Station
14	ACME Mahbubnagar Solar Energy Pvt Ltd-2 (GODHUR)	10.0	132/33 KV Sub Station at Godur (V), Jagtial Dist.
15	ACME Mahbubnagar Solar Energy Pvt Ltd-3 (PADMAJIWADI)	10.0	132 KV SS PADMAJIWADI
16	ACME Mahbubnagar Solar Energy Pvt Ltd-1 (MANTHANI)	10.0	132/33 KV Sub Station at Manthani (V) Peddapalli(dt)

APPENDIX 4: TECHNICAL DETAILS COMPARISON

As per deviation 9, the plant technical equipment configuration of the plants is updated in previous verification. The equipment reconfigurations don't alter project capacity, design changes, calculation of emission reduction, and any impact on additionality, capacity, and PLF of the project. The Old technical details and New technical details are tabulated below:

Name of the SPVs	Specifications	Old technical detail	New technical detail
ReNew Karimnagar Solar Power Pvt Ltd	Solar photovoltaic module	255,260 Wp & 265 Wp	255, 260, 265 Wp 19248, 21000, 33912
	No. of modules	74088	74160
ReNew Purvanchal Solar Power Pvt Ltd	Solar photovoltaic module	255,260 Wp & 265 Wp	255, 260, 265 13920, 31008, 30600
	No. of modules	75600	75528
ReNew Rewanchal Solar Power Pvt Ltd	Solar photovoltaic module	260 Wp & 265 Wp	260, 265, 260, 265 31320, 32376
	No. of modules	62208	63696
ReNew Neemuch Solar Power Pvt Ltd	Solar photovoltaic module	260 Wp & 265 Wp	260, 265 25896, 48048
	No. of modules	73824	73944
ReNew Fazilka Power Pvt Ltd	Solar photovoltaic module	255,260 Wp & 265 Wp	255, 260, 265 13464, 57912, 3288
	No. of modules	74640	74832
Sun World Solar Power Pvt. Ltd	Solar photovoltaic module	260 Wp & 265 Wp	260, 265, 260, 265, 265
	No. of modules	133008	148056
ReNew Ranga Reddy Solar Power Pvt Ltd	Solar photovoltaic module	260 Wp & 265 Wp	260, 265 31392, 109704
	No. of modules	141504	141096
ReNew Medak Solar Energy Pvt Ltd	Solar photovoltaic module	260,265 Wp & 270 Wp	260, 265, 265, 270, 260
	No. of modules	220176	220200
ReNew Narwana Solar Power Pvt Ltd	Solar photovoltaic module	255 Wp & 260 Wp	255, 260
	No. of modules	74544	74520
ReNew Nizamabad Solar Energy Pvt Ltd	Solar photovoltaic module	260,265 Wp & 270 Wp	260, 265, 265, 270, 255
	No. of modules	243816	243432
ACME PV Powertech Private Limited	Solar photovoltaic module	265,270 Wp & 275 Wp	270, 265, 260, 275 Watts
	No. of modules	234936	242616
Devishi Renewable Energy Pvt Ltd	Solar photovoltaic module	255Wp & 260 Wp	255, 260, 275
	No. of modules	60144	62304
Devishi Solar Power Pvt Ltd	Solar photovoltaic module	255Wp & 260 Wp	255, 260, 275, 270
	No. of modules	60144	62136

Sunworld Energy Pvt Ltd	Solar photovoltaic module	260Wp & 265 Wp	260, 265 Watts
	No. of modules	58512	58872
ACME Solar Power Technology Private Ltd	Solar photovoltaic module	265 Wp & 270 Wp	265, 270, 260
	No. of modules	216095 Installation WIP	245160
ACME Yamunanagar Solar Power Pvt Ltd-1 (KOSGI)	Solar photovoltaic module	Trina Solar (320Wp, 325Wp, 330Wp)	320, 325, 330 Watts
	No. of modules	41880	41860
ACME Yamunanagar Solar Power Pvt Ltd-2 (MOTHKUR)	Total Number of Invertors	04 Nos. (2500 kW*4)	08 Nos. 1250 kW*8)
ACME Mahbubnagar Solar Energy Pvt Ltd-2 (GODHUR)	No. of modules	39500	52368
	Total Number of Invertors	52368 No's	08
ACME Mahbubnagar Solar Energy Pvt Ltd-1 (MANTHANI)	Solar photovoltaic module	250W, 260W and 265MW	265, 260 Watts
	No. of modules	51960	52368
	Transformer numbers	2 Nos.	8 Nos.
ACME Bhiwadi Solar Power Pvt Ltd	Solar photovoltaic module	315 Wp, 320 Wp, 325 Wp	315, 320, 325, 330, 335 Watts
	No. of modules	207600	223300
ACME Kaithal Solar Power Private Limited	No. of modules	16731632	168440
ACME Karnal Solar Power Private Limited	Solar photovoltaic module	320 Wp, 325 Wp, 330 Wp	315, 320, 325, 330, 335 Watts
	No. of modules	206360	226440
ACME Koppal Solar Energy Private Limited	Solar photovoltaic module	315Wp, 320Wp, 325Wp	320, 325
	No. of modules	168240	168700
ACME Rewa Solar Energy Pvt Ltd	Solar photovoltaic module	320 Wp, 325 Wp, 330 Wp	315, 320, 325, 330 Watts
	No. of modules	400000	464760
ACME Chittorgarh Solar Energy Pvt. Ltd	Solar photovoltaic module	(320 Wp, 325 Wp, 330 Wp)	315, 320, 325, 330 Watts
	No. of modules	400000	462210

APPENDIX 5: DAILY GENERATION

Due to the mismatch between the monitoring period start and/or end dates in the specified SPVs and the billing cycle, adjustments are made by proportionately apportioning the start and end dates based on the daily generation values.

1.1 Sunworld Solar Power Pvt Ltd		
	Export	Import
Generation from 25/04/2022 to 25/05/2022:	5,466,100.00	22,600.00
Generation from 26/04/2022 to 25/05/2022:	5,284,900.00	21,800.00
Generation ratio:	0.966850222	0.96460177
Generation from 25/01/2023 to 25/02/2023:	5,529,390.00	33,800.00
Generation from 25/01/2023 to 31/01/2023:	680,490.00	7,900.00
Generation ratio:	0.123067825	0.233727811

1.2 ReNew Ranga Reddy Solar Power Pvt Ltd		
	Export	Import
Generation from 25/04/2022 to 25/05/2022:	4,822,000.00	22,200.00
Generation from 26/04/2022 to 25/05/2022:	4,663,000.00	21,400.00
Generation ratio:	0.96702613	0.963963964
Generation from 25/01/2023 to 25/02/2023:	5,934,200.00	24,800.00
Generation from 25/01/2023 to 31/01/2023:	1,233,400.00	5,600.00
Generation ratio:	0.207846045	0.225806452

1.3 ReNew Medak Solar Energy Pvt Ltd		
	Export	Import
Generation from 25/04/2022 to 25/05/2022:	8,200,200.00	32,700.00
Generation from 26/04/2022 to 25/05/2022:	7,953,500.00	31,620.00
Generation ratio:	0.969915368	0.9669725
Generation from 25/01/2023 to 25/02/2023:	9,816,000.00	38,640.00
Generation from 25/01/2023 to 31/01/2023:	2,050,600.00	9,020.00
Generation ratio:	0.20890383	0.2334369

1.4 ReNew Nizamabad Solar Energy Pvt. Ltd.		
	Export	Import
Generation from 26/01/2023 to 26/02/2023:	10,062,200.00	35,600.00
Generation from 26/01/2023 to 31/01/2023:	1,280,300.00	6,000.00
Generation ratio:	0.127238576	0.168539326

1.5 ACME PV Powertech Pvt. Ltd.		
	Export	Import
Generation from 24/01/2023 to 24/02/2023:	10,710,687.50	37,619.87
Generation from 24/01/2023 to 31/01/2023:	2,476,750.00	9,579.83
Generation ratio:	0.231240992	0.2546482
Generation from 24/04/2022 to 24/05/2022:	8,171,062.50	34,040.04
Generation from 26/04/2022 to 24/05/2022:	7,601,468.75	31,819.95
Generation ratio:	0.930291348	0.93478

1.6 ACME Solar Power Technology Private Limited		
	Export	Import
Generation from 24/01/2023 to 24/02/2023:	10,786,737.60	37,719.30
Generation from 24/01/2023 to 31/01/2023:	2,562,884.80	9,375.80
Generation ratio:	0.237595916	0.248567709
Generation from 25/04/2022 to 24/05/2022:	8,813,909.80	31,260.50
Generation from 26/04/2022 to 24/05/2022:	8,508,172.90	30,254.90
Generation ratio:	0.965312	0.967831609

1.7 Athena Bhiwadi Solar Power Pvt Ltd	
	Export
Generation from 01/04/2022 to 30/04/2022:	10,343.00
Generation from 26/04/2022 to 30/04/2022:	1,760.11
Generation ratio:	0.170173797

1.8 Athena Hisar Solar Power Private Limited	
	Export
Generation from 01/04/2022 to 30/04/2022:	10,264.31
Generation from 26/04/2022 to 30/04/2022:	1,753.14
Generation ratio:	0.170799877

1.9 Athena Karnal Solar Power Private Limited	
	Export
Generation from 01/04/2022 to 30/04/2022:	10,219.32
Generation from 26/04/2022 to 30/04/2022:	1,749.56
Generation ratio:	0.171201235

1.10 ACME Kaithal Solar Power Private Limited		
	Export	Import
Generation from 01/04/2022 to 01/05/2022:	7,089,285.50	25,561.10
Generation from 26/04/2022 to 01/05/2022:	1,367,889.00	4,901.90
Generation ratio:	0.192951603	0.191771872

1.11 ACME Babadham Solar Power Private Limited		
	Export	Import
Generation from 01/04/2021 to 01/05/2022:	7,236,280.00	28,000.00
Generation from 26/04/2022 to 01/05/2022:	1,442,080.00	5,000.00
Generation ratio:	0.199284715	0.178571429

1.12 ACME Koppal Solar Energy Private Limited		
	Export	Import
Generation from 03/01/2023 to 01/02/2023:	7,735,175.00	24,875.00
Generation from 03/01/2023 to 31/01/2023:	7,541,250.00	24,000.00
Generation ratio:	0.974929462	0.964824121
Generation from 01/04/2022 to 02/05/2022:	7,278,875.00	25,825.00
Generation from 26/04/2022 to 02/05/2022:	1,701,650.00	5,300.00
Generation ratio:	0.233779258	0.205227493

1.13 ACME Vijayapura Solar Energy Pvt Ltd		
	Export	Import
Generation from 01/04/2022 to 01/05/2022:	7,189,100.00	26,810.00
Generation from 26/04/2022 to 01/05/2022:	1,247,910.00	4,640.00
Generation ratio:	0.17358362	0.17306975

1.14 ACME Rewa Solar Energy Pvt Ltd		
	Export	Import
Generation from 01/04/2022 to 01/05/2022:	23,737,800.00	55,800.00
Generation from 26/04/2022 to 01/05/2022:	4,588,800.00	9,600.00
Generation ratio:	0.193311933	0.172043011

2. ReNew Karimnagar Solar Power Pvt Ltd		
	Export	Import
Generation from 23/04/2022 to 24/05/2022:	2,618,448.00	5,834.00

Generation from 26/04/2022 to 24/05/2022:	2,367,301.00	5,408.00
Generation ratio:	0.90408555	0.926979774
Generation from 24/01/2023 to 25/02/2023:	2,990,436.00	6,610.00
Generation from 24/01/2023 to 31/01/2023:	672,863.00	1,546.00
Generation ratio:	0.225004983	0.233888048

3. ReNew Purvanchal Solar Power Pvt Ltd		
	Export	Import
Generation from 25/04/2022 to 25/05/2022:	2,141,248.59	7,111.23
Generation from 26/04/2022 to 25/05/2022:	2,094,461.09	6,877.28
Generation ratio:	0.978149432	0.967101758
Generation from 25/01/2023 to 25/02/2023:	3,193,114.19	7,177.74
Generation from 25/01/2023 to 31/01/2023:	645,171.05	1,707.05
Generation ratio:	0.202050728	0.237826278

4. ReNew Rewanchal Solar Power Pvt Ltd		
	Export	Import
Generation from 25/04/2022 to 25/05/2022:	2,254,267.50	6,730.70
Generation from 26/04/2022 to 25/05/2022:	2,177,518.10	6,522.30
Generation ratio:	0.96595373	0.969037396
Generation from 25/01/2023 to 25/02/2023:	2,741,057.62	6,682.40
Generation from 25/01/2023 to 31/01/2023:	563,151.89	1,193.40
Generation ratio:	0.205450584	0.178588531

5. ReNew Neemuch Solar Power Pvt Ltd		
	Export	Import
Generation from 25/04/2022 to 24/05/2022:	2,747,537.00	7,150.00
Generation from 26/04/2022 to 24/05/2022:	2,653,247.00	6,900.00
Generation ratio:	0.965681991	0.965034965
Generation from 25/01/2023 to 25/02/2023:	3,211,960.00	8,150.00
Generation from 25/01/2023 to 31/01/2023:	680,490.00	1,850.00
Generation ratio:	0.211861293	0.226993865

6. ReNew Fazilka Power Pvt Ltd		
	Export	Import
Generation from 25/04/2022 to 24/05/2022:	2,588,366.02	5,968.45

Generation from 26/04/2022 to 24/05/2022:	2,497,758.04	5,748.28
Generation ratio:	0.964994141	0.963112018
Generation from 24/01/2023 to 25/02/2023:	3,158,844.32	4,014.52
Generation from 24/01/2023 to 31/01/2023:	711,660.60	1,861.00
Generation ratio:	0.225291443	0.463567749

7. ReNew Narwana Solar Power Pvt Ltd		
	Export	Import
Generation from 25/04/2022 to 25/05/2022:	2,676,327.00	6,400.00
Generation from 26/04/2022 to 25/05/2022:	2,585,669.00	6,200.00
Generation ratio:	0.966125963	0.96875
Generation from 24/01/2023 to 25/02/2023:	3,157,546.09	7,204.55
Generation from 24/01/2023 to 31/01/2023:	666,790.65	1,596.13
Generation ratio:	0.211173688	0.221544225

8. ReNew Warangal Solar Power Pvt Ltd		
	Export	Import
Generation from 25/04/2022 to 25/05/2022:	2,791,343.15	6,795.93
Generation from 26/04/2022 to 25/05/2022:	2,695,725.23	6,568.66
Generation ratio:	0.965744836	0.966557209
Generation from 25/01/2023 to 25/02/2023:	3,206,900.00	6,300.00
Generation from 25/01/2023 to 31/01/2023:	651,100.00	1,500.00
Generation ratio:	0.203030964	0.238095238

9. Devishi Renewable Energy Pvt Ltd		
	Export	Import
Generation from 01/04/2022 to 30/04/2022:	2,196,758.18	4,759.37
Generation from 26/04/2022 to 30/04/2022:	345,973.53	737.70
Generation ratio:	0.157492768	0.154999343

10. Devishi Solar Power Pvt Ltd		
	Export	Import
Generation from 01/04/2022 to 30/04/2022:	2,206,557.83	5,453.72
Generation from 26/04/2022 to 30/04/2022:	345,147.65	827.60
Generation ratio:	0.156419037	0.151749492

11. Sunworld Energy Pvt Ltd		
	Export	Import
Generation from 01/04/2022 to 30/04/2022:	1,840,268.33	7,342.98
Generation from 26/04/2022 to 30/04/2022:	309,031.52	1,183.58
Generation ratio:	0.167927427	0.16118467

12. ACME Yamunanagar Solar Power Pvt Ltd-1 (KOSGI)		
	Export	Import
Generation from 24/01/2023 to 24/02/2023:	2,252,760.00	5,440.00
Generation from 24/01/2023 to 31/01/2023:	547,980.00	1,360.00
Generation ratio:	0.243248282	0.25
Generation from 24/04/2022 to 24/05/2022:	1,803,900.00	4,650.00
Generation from 26/04/2022 to 24/05/2022:	1,671,460.00	4,350.00
Generation ratio:	0.926581296	0.935483871

13. ACME Yamunanagar Solar Power Pvt Ltd-2 (MOTHKUR)		
	Export	Import
Generation from 23/01/2023 to 23/02/2023:	2,185,018.50	5,274.59
Generation from 23/01/2023 to 31/01/2023:	571,169.14	1,497.80
Generation ratio:	0.261402426	0.283965904
Generation from 23/04/2022 to 23/05/2022:	1,890,409.20	4,909.05
Generation from 26/04/2022 to 23/05/2022:	1,697,392.22	4,422.51
Generation ratio:	0.89789672	0.900887625

14. ACME Mahbubnagar Solar Energy Pvt Ltd-2 (GODHUR)		
	Export	Import
Generation from 25/01/2023 to 25/02/2023:	2,169,860.00	4,800.00
Generation from 25/01/2023 to 31/01/2023:	456,900.00	1,050.00
Generation ratio:	0.21056658	0.21875
Generation from 25/04/2022 to 24/05/2022:	1,813,250.00	4,400.00
Generation from 26/04/2022 to 24/05/2022:	1,750,750.00	4,250.00
Generation ratio:	0.965531504	0.965909091

15. ACME Mahbubnagar Solar Energy Pvt Ltd-3 (PADMAJIWADI)		
	Export	Import
Generation from 24/01/2023 to 25/02/2023:	2,397,500.00	4,600.00
Generation from 24/01/2023 to 31/01/2023:	549,500.00	1,100.00
Generation ratio:	0.22919708	0.239130435
Generation from 24/04/2022 to 25/05/2022:	1,926,200.00	3,850.00
Generation from 26/04/2022 to 25/05/2022:	1,786,700.00	3,600.00
Generation ratio:	0.927577614	0.935064935

16. ACME Mahbubnagar Solar Energy Pvt Ltd-1 (MANTHANI)		
	Export	Import
Generation from 25/01/2023 to 25/02/2023:	2,137,257.34	3,917.08
Generation from 25/01/2023 to 31/01/2023:	431,543.33	889.58
Generation ratio:	0.201914538	0.227102366
Generation from 25/04/2022 to 25/05/2022:	1,917,348.00	3,465.00
Generation from 26/04/2022 to 25/05/2022:	1,855,908.00	3,365.00
Generation ratio:	0.967955739	0.971139971