



BUNDLED SOLAR POWER PROJECT BY SOLAR ARISE INDIA PROJECTS PVT.LTD.



Document Prepared By EKI Energy Services Limited

Project Title	Bundled Solar Power Project by Solar Arise India Projects Pvt.Ltd
Project ID	1762
Project Start Date	23-June-2016
SD Contributions Reporting Period	26-April-2018 to 25-August-2020 (Inclusive of both the dates)
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1 SUMMARY OF SUSTAINABLE DEVELOPMENT CONTRIBUTIONS

The main purpose of this project activity is to generate clean form of electricity through renewable solar energy source. The project is a bundled project activity which involves installation of 120 MW solar project in different states of India through SPVs.

Over the 10 years of first crediting period, the project will replace anthropogenic emissions of greenhouse gases (GHG's) estimated to be approximately 244,968 tCO_{2e} per year, thereon displacing 253,776 MWh/year amount of electricity from the generation-mix of power plants connected to the Indian grid, which is mainly dominated by thermal/fossil fuel based power plant.

The details of the SPVs for the project and their location of installation are mentioned in the table below:-

Name of SPVs	Capacity in MW	COD	Connection with Grid	State	Usage
Talettutayi Solar Projects Pvt Ltd	10 MW	23-June-2016	Indian Grid	Telangana	Sale to State Discom
Talettutayi Solar Projects Six Private Limited	10 MW	23-June-2016	Indian Grid	Telangana	Sale to State Discom
Talettutayi Solar Projects Four Pvt Ltd	50 MW	10-August-2017	Indian Grid	Maharashtra	Sale to discom
Talettutayi Solar Projects Four Pvt Ltd	30 MW	05-January-2018	Indian Grid	Karnataka	Sale to State Discom
Talettutayi Solar Projects Two Pvt Ltd	20 MW	07-August-2019	Indian Grid	Karnataka	Sale to State Discom

For SDG-7, SOLAR ARISE INDIA PROJECTS PRIVATE LIMITED has produced 6,33,629 MWh of clean energy and supplied it to indian grid . The evidence for the same is provided in Appendix-1.

For SDG-13, SOLAR ARISE INDIA PROJECTS PRIVATE LIMITED has Prevented the release of 6,11,643 tCO_{2e} into the atmosphere during the reporting period. The evidence for the same is provided in Appendix-1.

2 PROJECT CONTRIBUTIONS

Table 1 : Sustainable Development Contributions

Row number	SDG Target	SDG Indicator	Net Impact on SDG Indicator	Current Project Contributions	Contributions Over Project Lifetime
1.	7.2	7.2.1: Renewable energy share in the total final energy consumption	Implemented activities to increase	About 569,212 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 712,653 MWh (143,441 + 569,212) 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 569,212 MWh clean electricity (generated through Solar PV) to Indian grid, the project avoided release of 549,453 tCO ₂ e in to the atmosphere during the reporting period.	Overall prevented the release of 6,87,915 (138,462+549,453) tCO ₂ e into the atmosphere since project commissioning.

APPENDIX 1: SUPPORTING EVIDENCE

1. Supporting evidences for the clean energy produced and supplied to the indian grid (SDG-7) can be referred from: <https://registry.verra.org/app/projectDetail/VCS/1762>
2. Supporting evidences for the tonnes of greenhouse gas emissions avoided or removed (SDG-13) can be referred from: <https://registry.verra.org/app/projectDetail/VCS/1762>