



Green bond Impact Report

Issuance: Greenko Dutch BV

2021 - 2022

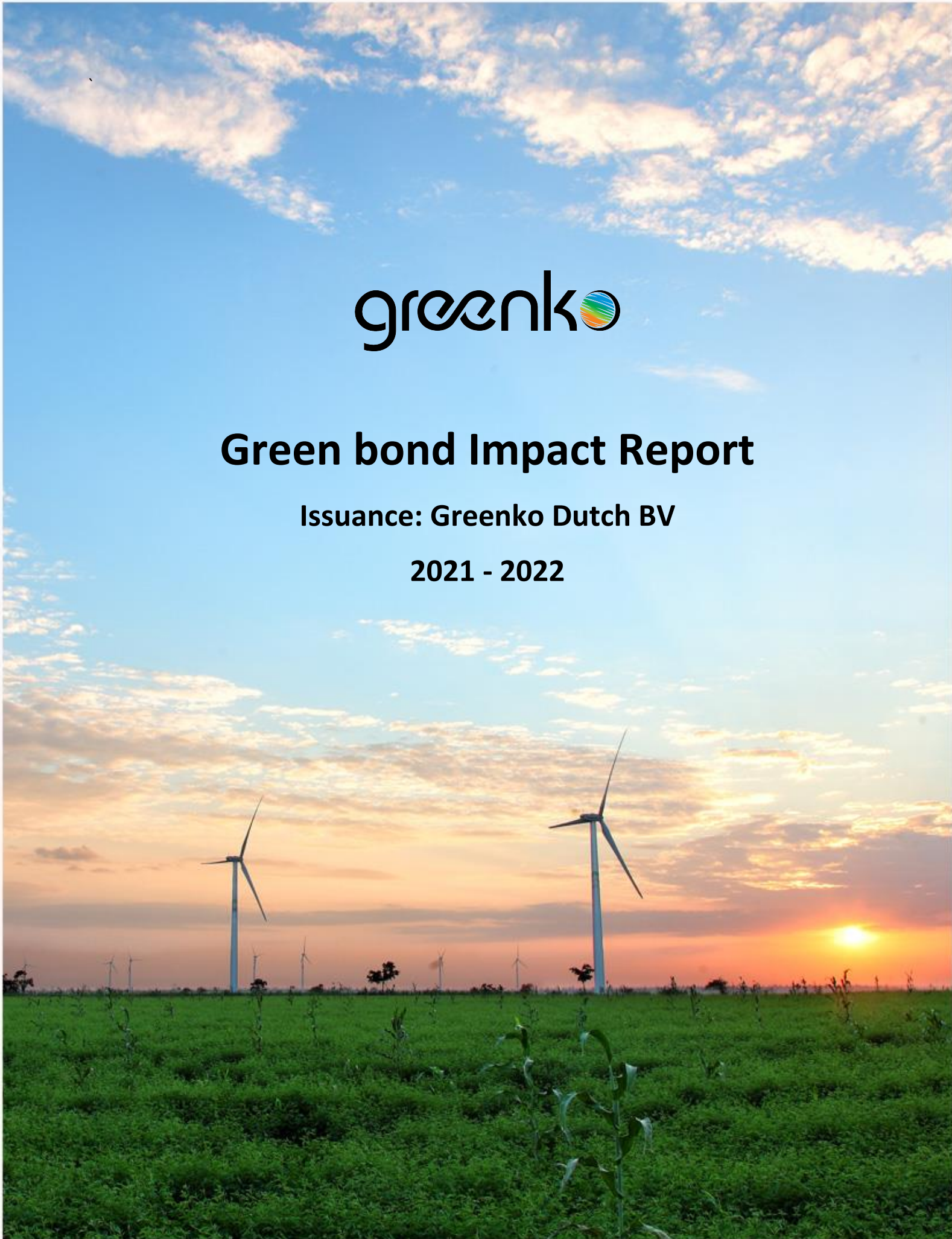


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1. Introduction

Founded in 2004, Greenko Group, through our subsidiaries, develops and operates clean energy projects in India. Greenko's portfolio includes solar, wind, hydropower, natural gas, and biomass assets in India. Through these assets, the group generates and sells electricity to state utilities, private customers, and other electricity transmission and trading companies. Greenko also operates as an intermediate financing company for the development of clean energy projects. Greenko is headquartered in Hyderabad, India. Greenko has a vision of "Powering India with decarbonized, digitized & decentralized energy assets" and its mission is "building, owning & operating high-quality renewable energy assets by leveraging leading edge technologies for a stable and inclusive future". On Greenko's website, we disclose that we have an objective to be a responsible corporate citizen. This includes incorporating sustainability operationally and contributing to environmental and social impact in local communities. Greenko aims to achieve this objective through the generation of clean energy and the implementation of community programs centered on education, health, and environmental stewardship.

This report gives an overview of the allocation of green assets to Green Bond and describes the impact of the Green Bond on a project by project level. The issuance of the Green Bond is even further reinforcing Greenko's commitment to sustainable development.

2. Bond issuance details

Sl. No.	Details	
1.	Green Bond issuance	2021
2.	Bonds issued by	Greenko Dutch BV
3.	Total amount	USD 940 million
4.	ISIN	

3. Sustainability and Greenko's Green Bond

Greenko recognizes that climate change is one of the most important issues the world is presently facing. Therefore, the transformation to a decarbonized, climate resilient, and circular economy is an important focus in Greenko's sustainability strategy. Our sustainability policies and sustainable business processes help us to reduce climate related and other environmental risks and to boost the development of sustainable alternatives.

Green Bonds are one of Greenko's initiatives to contribute to a more sustainable future. The proceeds are used to refinancing and funding projects that meet the criteria and have a positive impact on the environment by reducing the emissions of greenhouse gases and promoting the sustainable use of resources.

4. Greenko's Green Bond Framework

For the purpose of issuing a Green Bond, Greenko has developed a framework, which addresses the four key pillars of the Green Bond Principles (GBP): use of proceeds, the process for project selection, the management of proceeds, and reporting.

Greenko's Green Bond framework is published in Greenko's website <http://www.greenkogroup.com/>

5. Greenko's Green Bond impact report

The table below summarizes the environmental benefits in FY 2021 - 22 related to the projects coming under this Green bond.

S.No.	Name of Project	Technology	Capacity MW	FY 21 -22 Generation in MWh	Grid Emission factor	CO2 avoided (in Million tCO2)
1	AMR Power Private Limited	HYDRO	24.75	92586	0.81	0.074994903
2	Rithwik Energy Generation Private Limited	HYDRO	24.75	35656	0.81	0.028881279
3	Hemavathy Power & Light Private Limited	HYDRO	24	73038	0.81	0.059160901
4	Sai Spurthi Power Private Limited	HYDRO	10.5	51443	0.81	0.041668587
5	Jasper Energy Private Limited	HYDRO	10.5	0	0.81	0
6	Greenko Astha Projects (India) Private Limited	HYDRO	10	61538	0.81	0.049845918
7	Greenko Him Kailash Hydro Power Private Limited	HYDRO	5	22987	0.81	0.018619632
8	Greenko AT Hydro Private Limited	HYDRO	5	33705	0.81	0.027300885
9	Greenko Cimaron Constructions Private Limited	HYDRO	5	32292	0.81	0.026156463
10	Greenko Tarela Power Private Limited	HYDRO	5	32800	0.81	0.026568365
11	Greenko Tejassarnika Hydro Energies Private Limited	HYDRO	12	37242	0.81	0.030166167
12	Greenko Sri Sai Krishna Hydro Energies Private Limited	HYDRO	10	46112	0.81	0.037351044
13	Greenko Anubhav Hydel Power Private Limited	HYDRO	5	22170	0.81	0.017957376
14	Greenko Sumez Hydro Energy Private Limited	HYDRO	14	57617	0.81	0.046669426
15	Greenko Budhil Hydro Power Private Limited	HYDRO	70	251466	0.81	0.203687382
16	Ratnagiri Wind Power Projects Private Limited	WIND	101.6	172091	0.81	0.139393851
17	Greenko Rayala Wind Power Private Limited	WIND	159.2	359426	0.81	0.291135339
18	Fortune Five Hydel Projects Private Limited	WIND	101.2	204042	0.81	0.165273788
19	Matrix Power (Wind) Private Limited	WIND	15	35195	0.81	0.028507926
20	Mangalore Energies Private Limited	WIND	15	32642	0.81	0.026439888
21	Poly Solar Park Private Limited	WIND	24	46640	0.81	0.037778213
22	Jed Solar Park Private Limited	WIND	24	46840	0.81	0.03794035

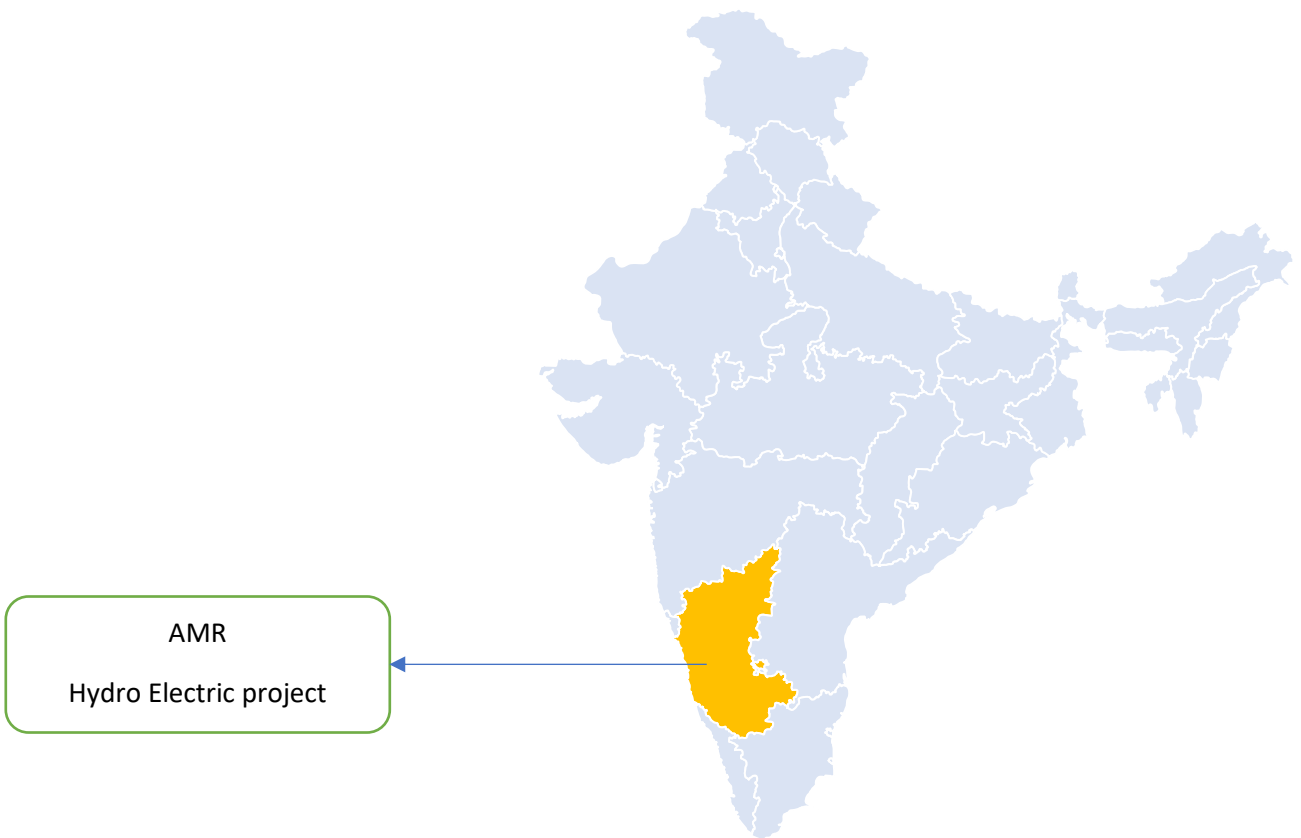
23	Sunborne Energy Andhra Private Limited	SOLAR	35	69344	0.81	0.056168802
24	SEI Phoebus Private Limited	SOLAR	50	99045	0.81	0.080226655
25	SEI Adityashakti Private Limited	SOLAR	10	19746	0.81	0.015994374
26	RT Renewable Energy India Private Limited	SOLAR	15	27305	0.81	0.022117173
27	SEI Adhavan Power Private Limited	SOLAR	50	91592	0.81	0.074189204
28	SEI Kathiravan Power Pvt Limited	SOLAR	50	97318	0.81	0.078827808
29	SEI Sriram Power Private Limited -1	SOLAR	20	54954	0.81	0.044512862
30	SEI Sriram Power Private Limited -2	SOLAR	19.4		0.81	
31	SEI Aditi Power Private Limited	SOLAR	30	52401	0.81	0.04244484
32	SEI Bheem Power Private Limited	SOLAR	30	52324	0.81	0.042382269
33	SEI Suryashakti Power Private Limited	SOLAR	30	53227	0.81	0.043114112
34	SEI Diamond Private Limited	SOLAR	30	50974	0.81	0.041289229
35	SEI Venus Private Limited	SOLAR	30	50371	0.81	0.040800736
	TOTAL		1074.9			1.997565744

New projects included for financing:

S.No.	Name of Project	Technology	Capacity MW	FY 21 -22 Generation in MWh	Grid Emission factor	CO2 avoided (in Million tCO2)
1	Technology House (India) Private Limited	HYDRO	9.6	34154	0.81	0.0229959
2	Gangdari Hydro Power Private Limited	HYDRO	26	67466	0.81	0.0476442
3	Sandla Wind Projects Private Limited	WIND	50.4	115794	0.81	0.0913113
	TOTAL		86			0.1619514

Project by Project environmental benefit details are presented below.

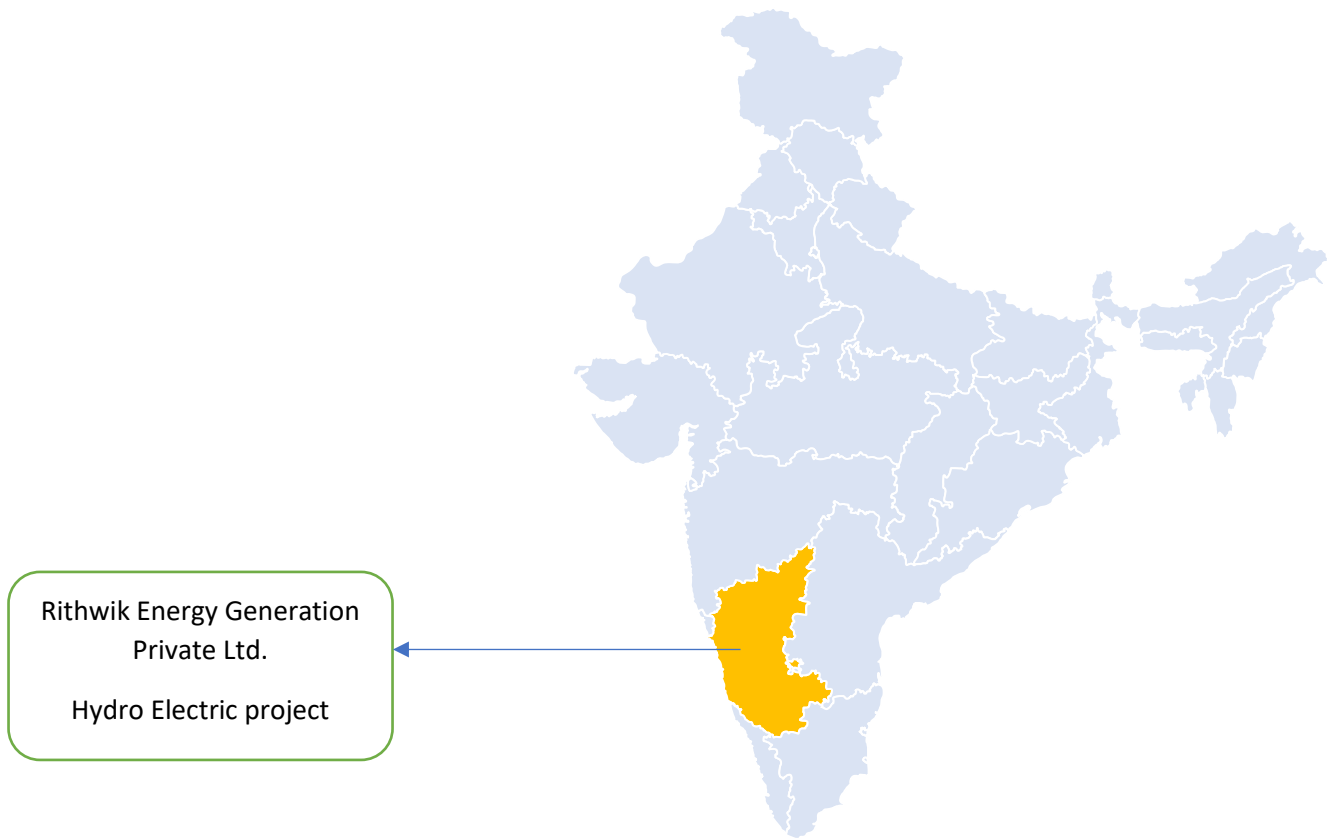
Project 1	AMR Power Private Limited
Capacity in MW	24.75
State	Karnataka



GHG savings

Year	GHG avoided in Million tCO2
2021 – 2022	0.074994903

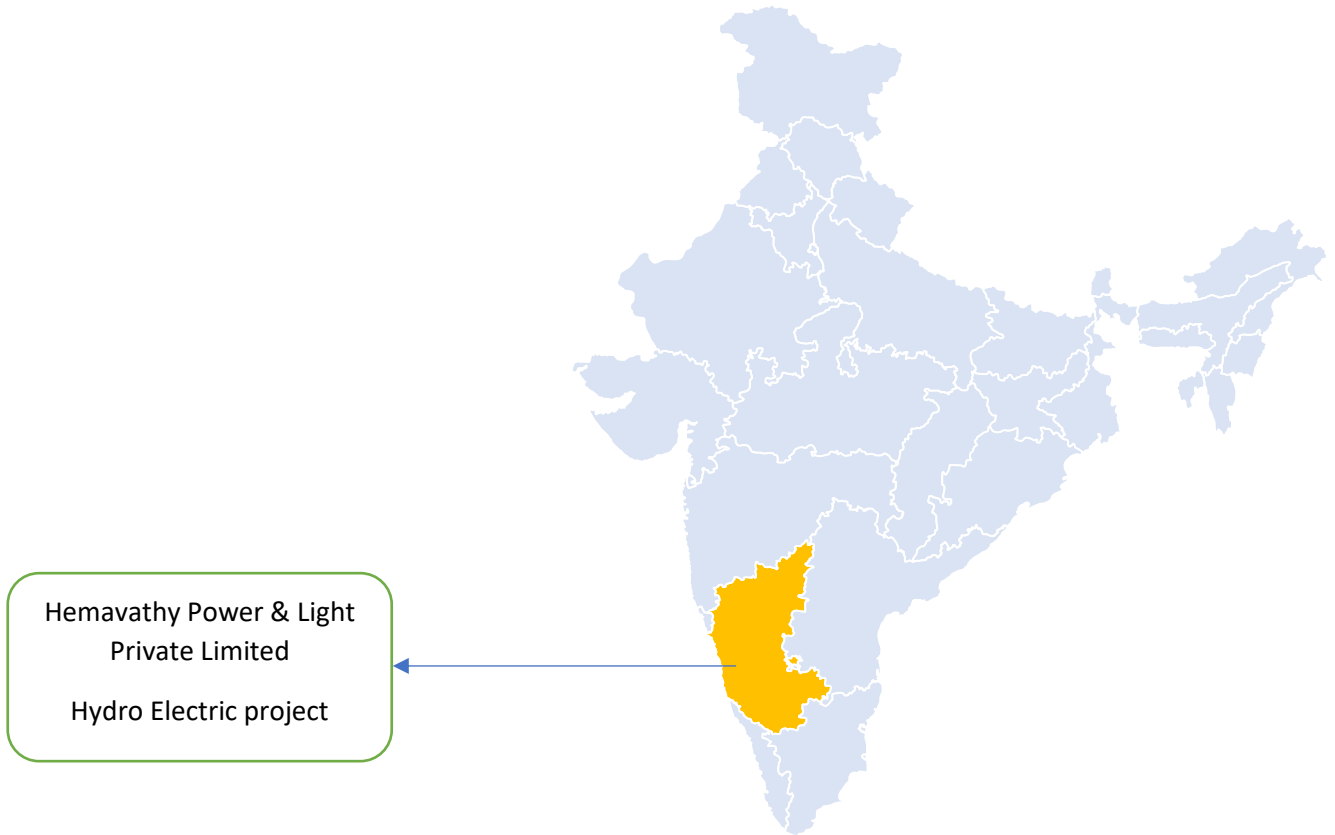
Project 2	Rithwik Energy Generation Private Limited
Capacity in MW	24.75
State	Karnataka



GHG savings

Year	GHG avoided in Million tCO2
2021 – 2022	0.028881279

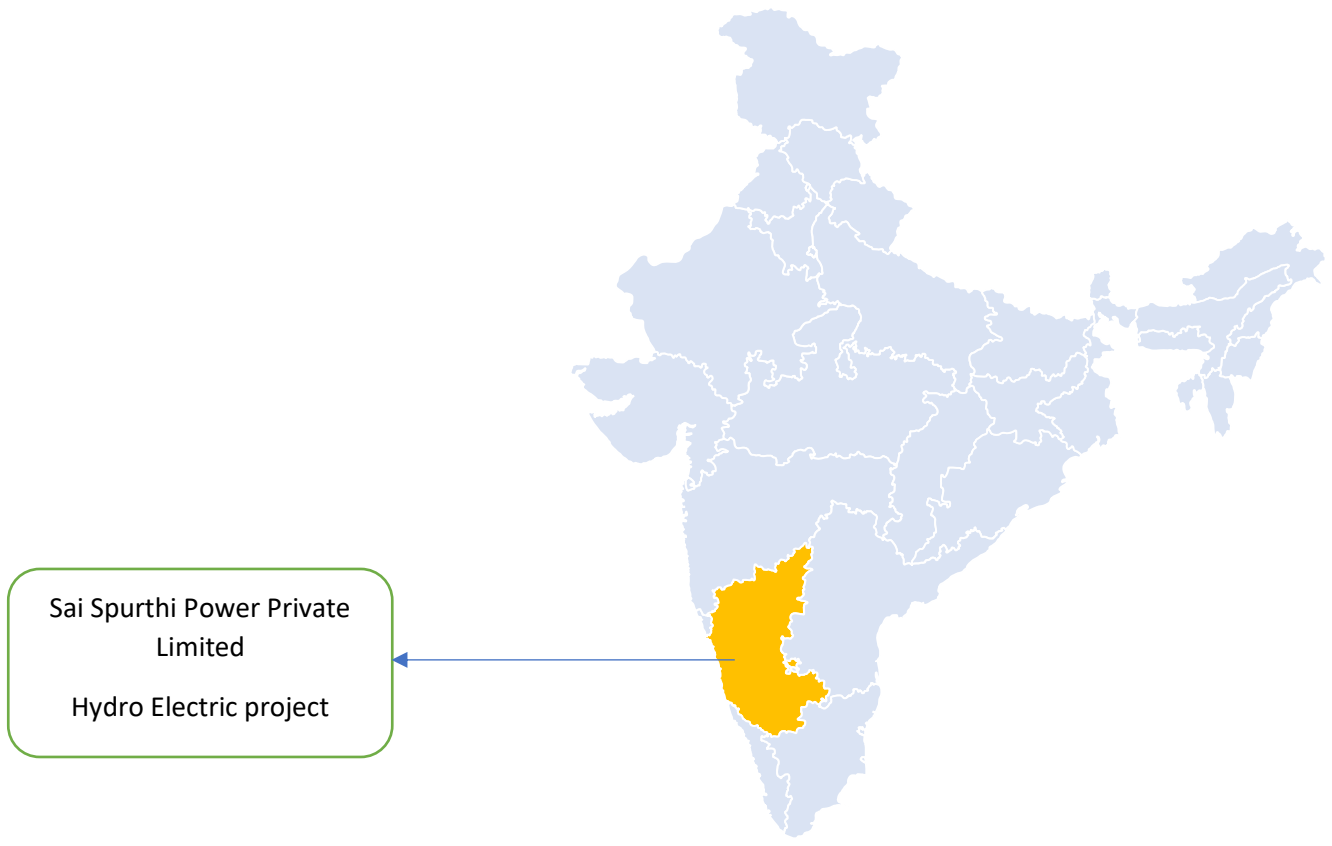
Project 3	Hemavathy Power & Light Private Limited
Capacity in MW	24
State	Karnataka



GHG savings

Year	GHG avoided in Million tCO2
2021 – 2022	0.059160901

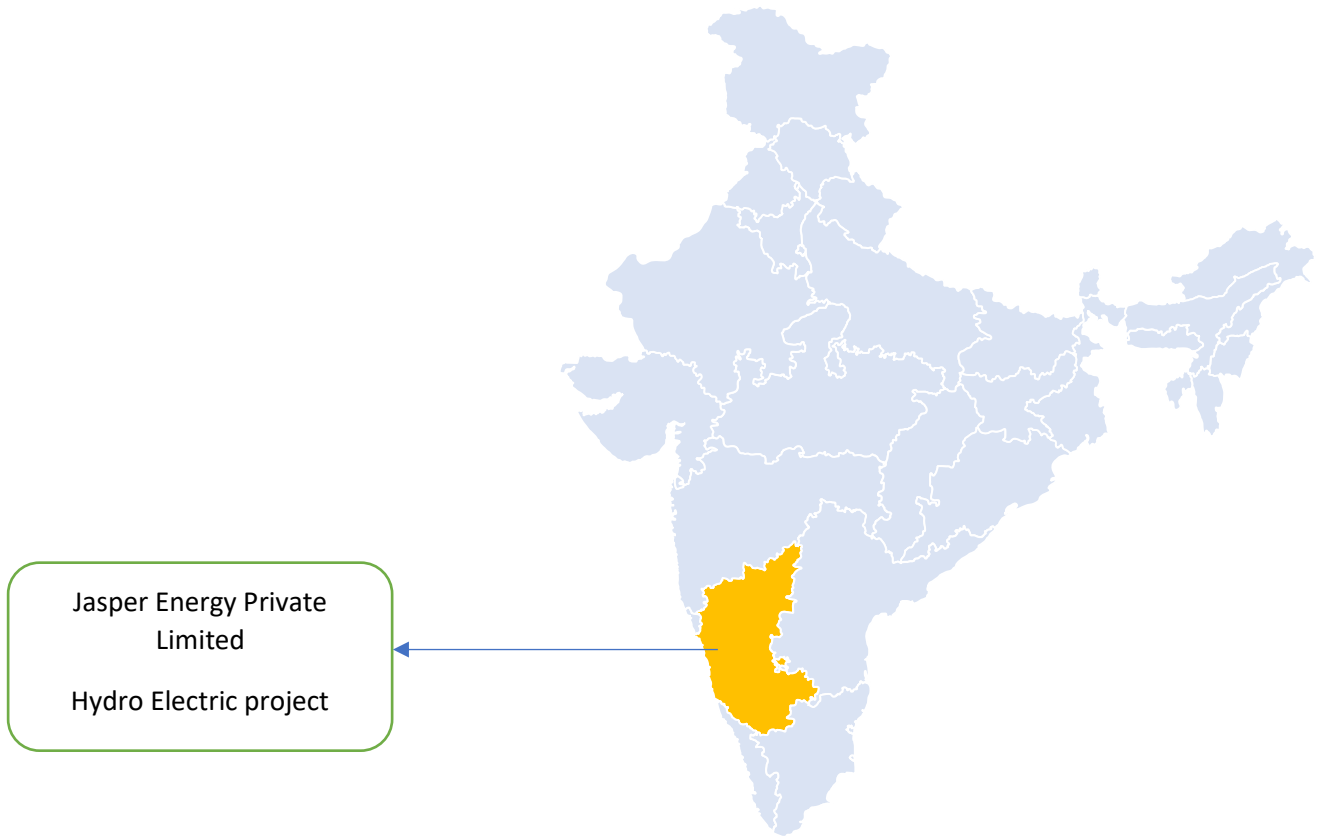
Project 4	Sai Spurthi Power Private Limited
Capacity in MW	10.50
State	Karnataka



GHG savings

Year	GHG avoided in Million tCO2
2021 – 2022	0.041668587

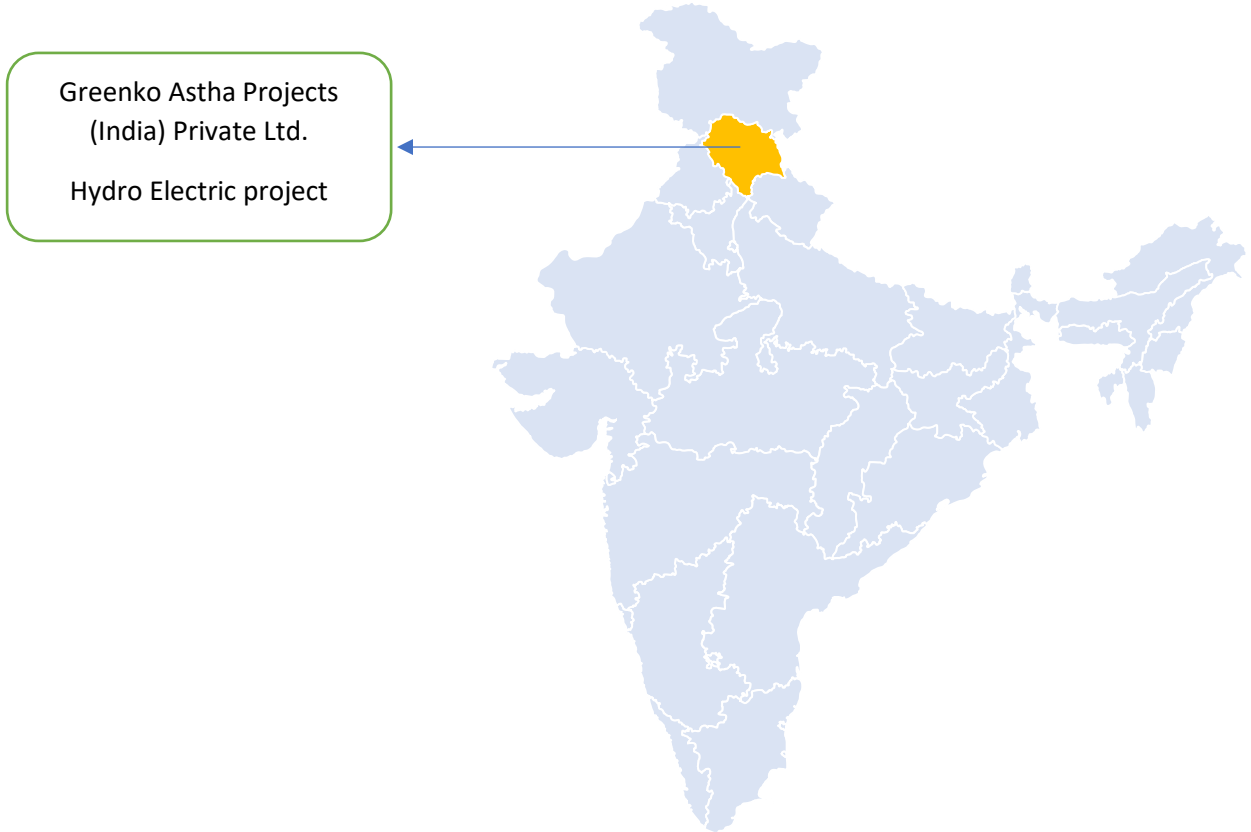
Project 5	Jasper Energy Private Limited
Capacity in MW	10.50
State	Karnataka



GHG savings

Year	GHG avoided in Million tCO2
2021 – 2022	0

Project 6	Greenko Astha Projects (India) Private Limited
Capacity in MW	10
State	Himachal Pradesh

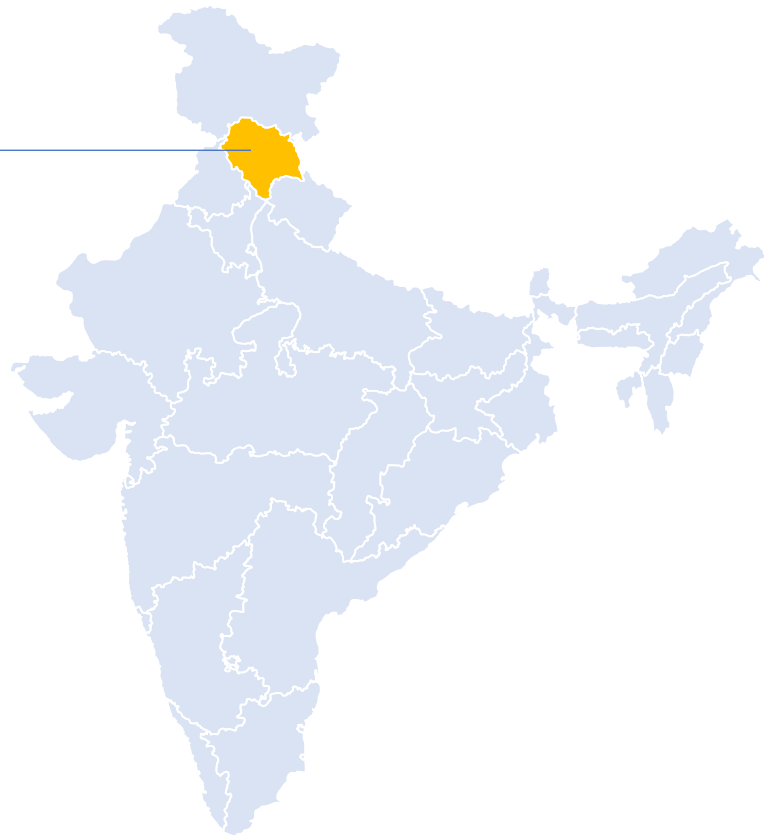


GHG savings

Year	GHG avoided in Million tCO2
2021 – 2022	0.049845918

Project 7	Greenko Him Kailash Hydro Power Private Limited
Capacity in MW	5
State	Himachal Pradesh

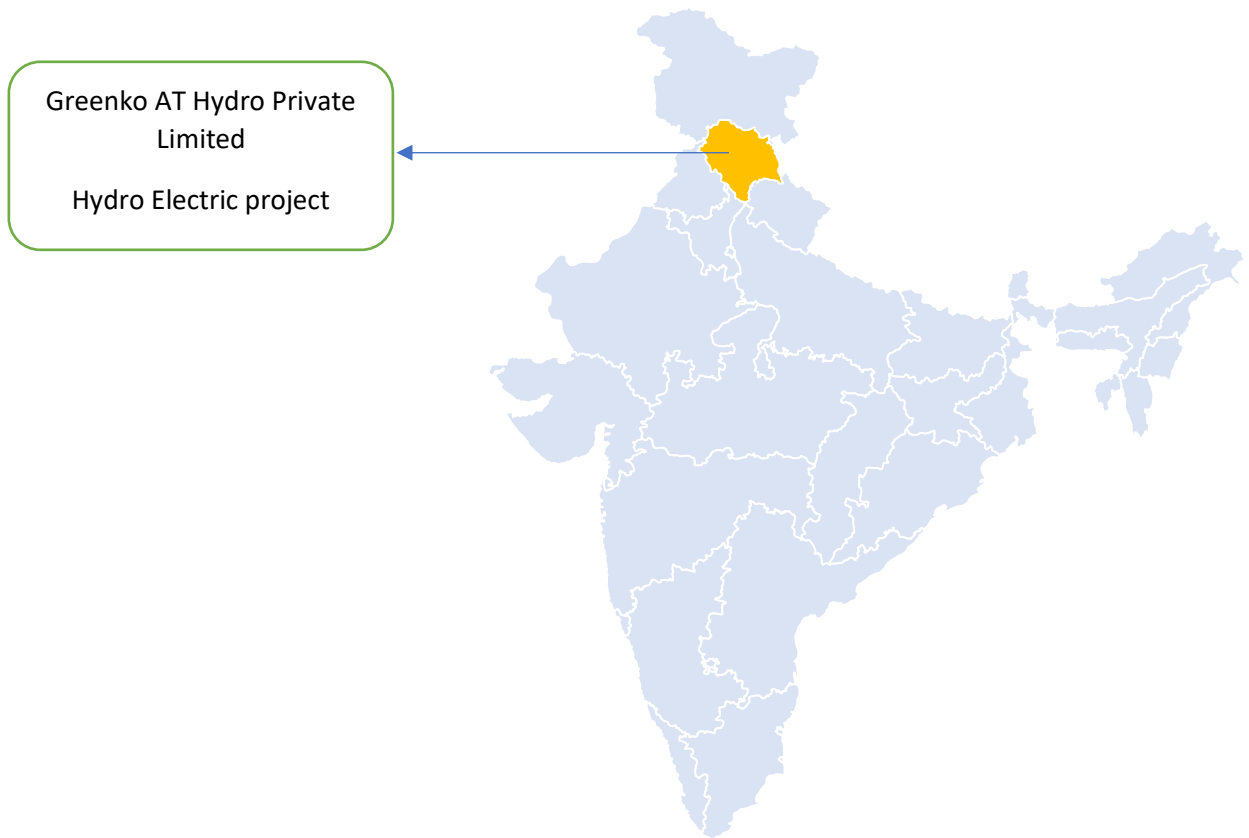
Greenko Him Kailash Hydro Power Private Limited
Hydro Electric project



GHG savings

Year	GHG avoided in Million tCO2
2021 – 2022	0.018619632

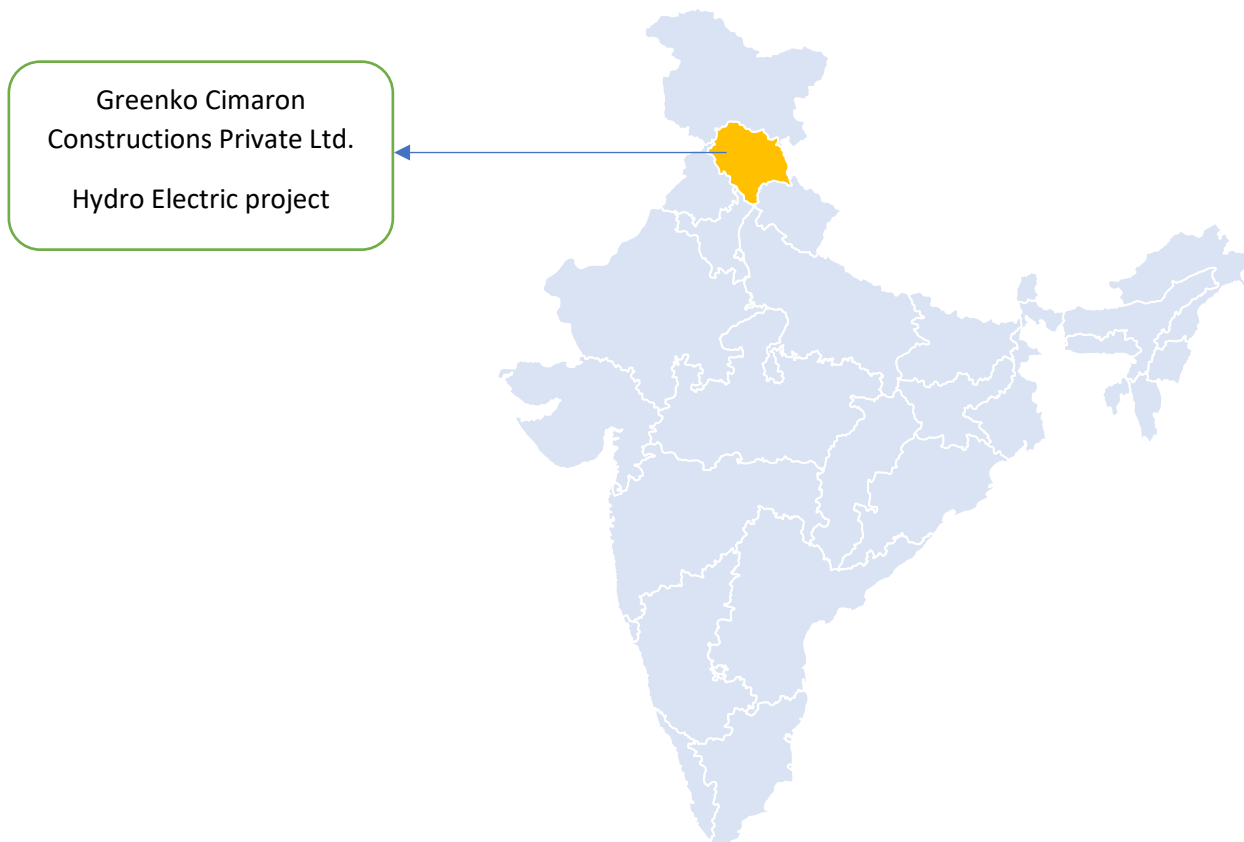
Project 8	Greenko AT Hydro Private Limited
Capacity in MW	5
State	Himachal Pradesh



GHG savings

Year	GHG avoided in Million tCO2
2021 – 2022	0.027300885

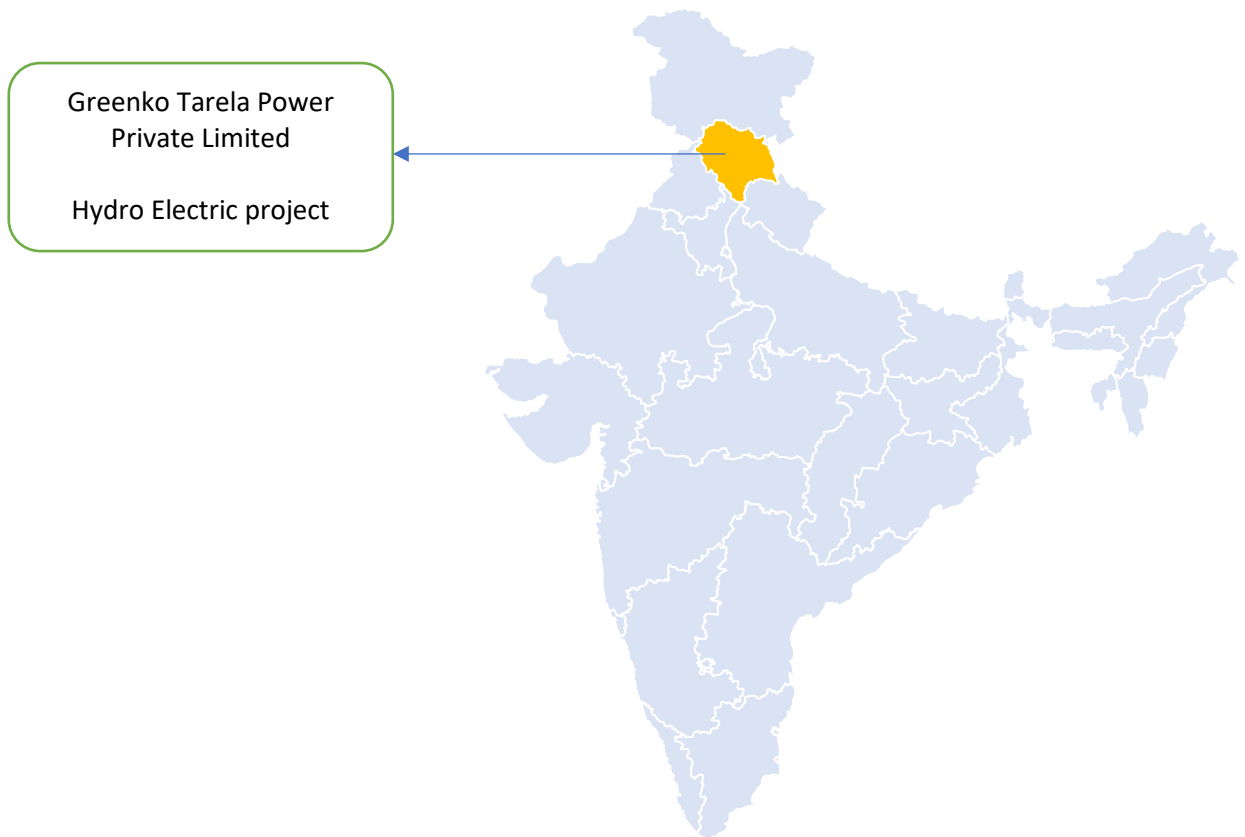
Project 9	Greenko Cimaron Constructions Private Limited
Capacity in MW	5
State	Himachal Pradesh



GHG savings

Year	GHG avoided in Million tCO2
2021 – 2022	0.026156463

Project 10	Greenko Tarela Power Private Limited
Capacity in MW	5
State	Himachal Pradesh

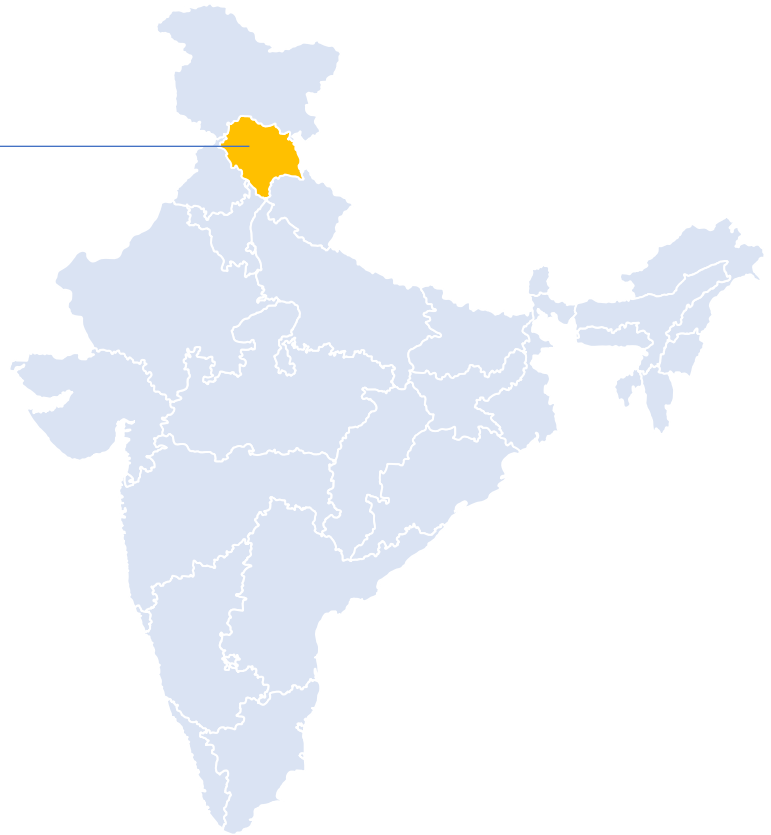


GHG savings

Year	GHG avoided in Million tCO2
2021 – 2022	0.026568365

Project 11	Greenko Tejassarnika Hydro Energies Private Limited
Capacity in MW	12
State	Himachal Pradesh

Greenko Tejassarnika Hydro Energies Private Limited
Hydro Electric project

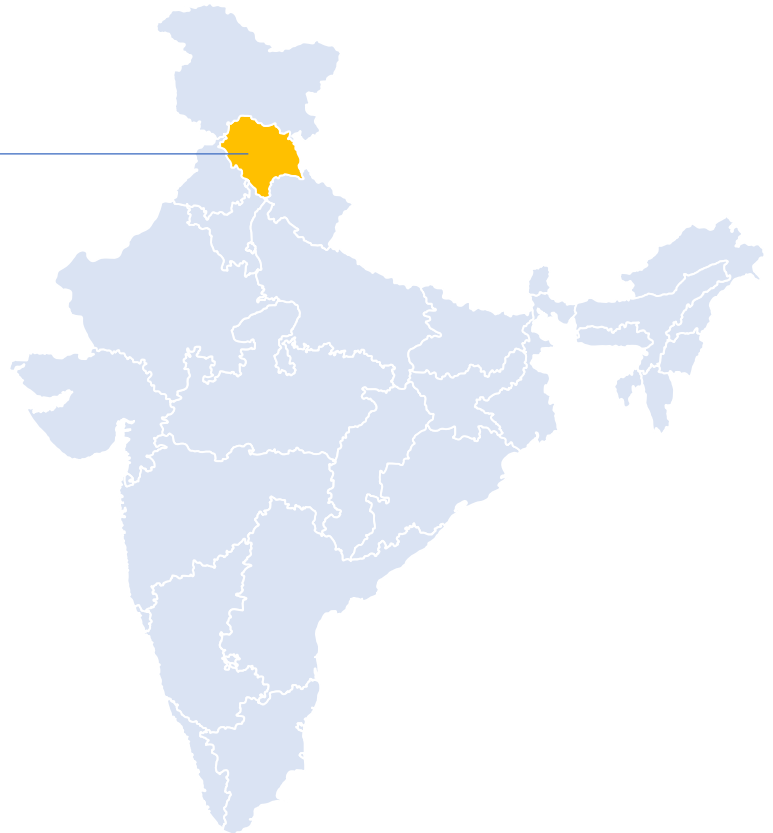


GHG savings

Year	GHG avoided in Million tCO2
2021 – 2022	0.030166167

Project 12	Greenko Sri Sai Krishna Hydro Energies Private Limited
Capacity in MW	10
State	Himachal Pradesh

Greenko Sri Sai Krishna Hydro Energies Private Limited
Hydro Electric project

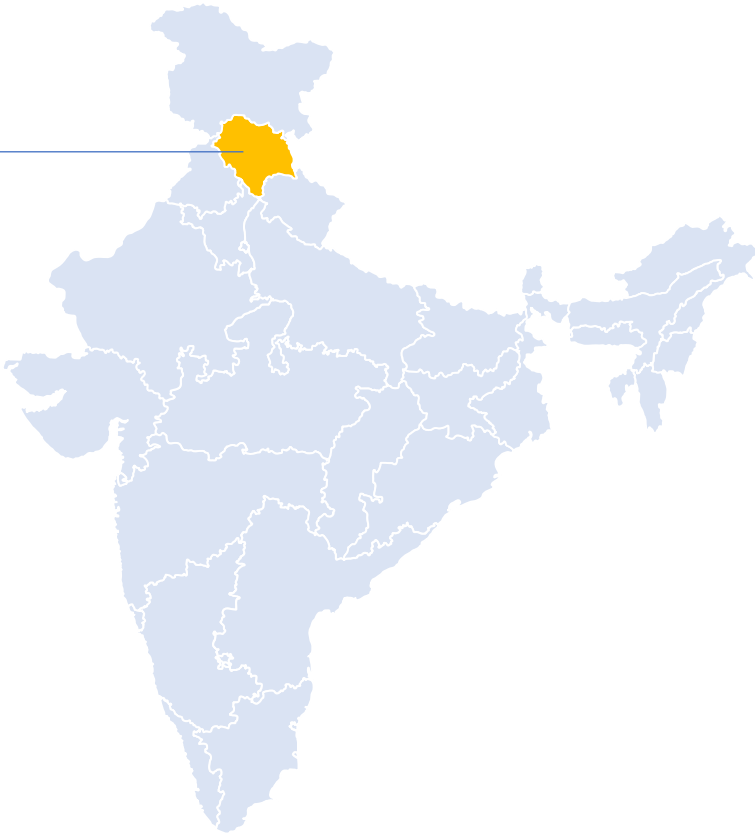


GHG savings

Year	GHG avoided in Million tCO2
2021 – 2022	0.037351044

Project 13	Greenko Anubhav Hydel Power Private Limited
Capacity in MW	5
State	Himachal Pradesh

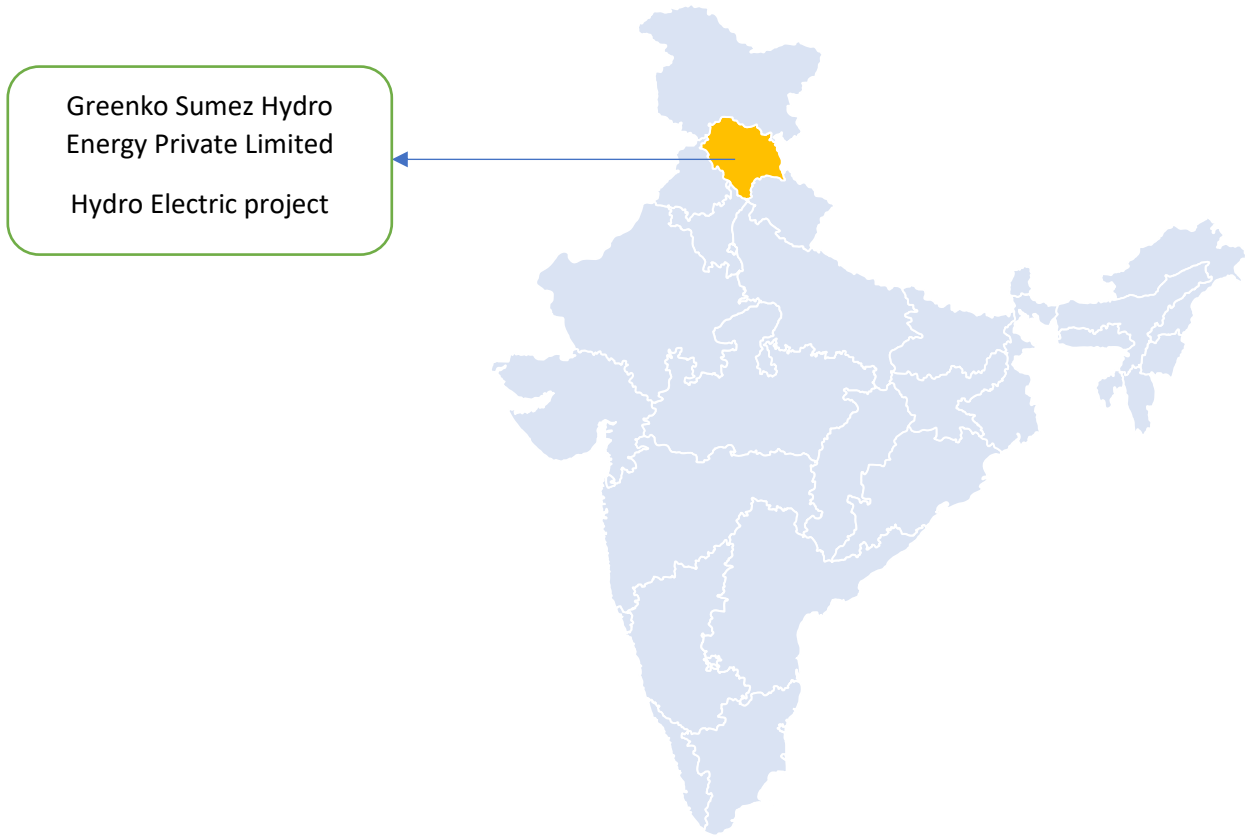
Greenko Anubhav Hydel Power Private Limited
Hydro Electric project



GHG savings

Year	GHG avoided in Million tCO2
2021 – 2022	0.017957376

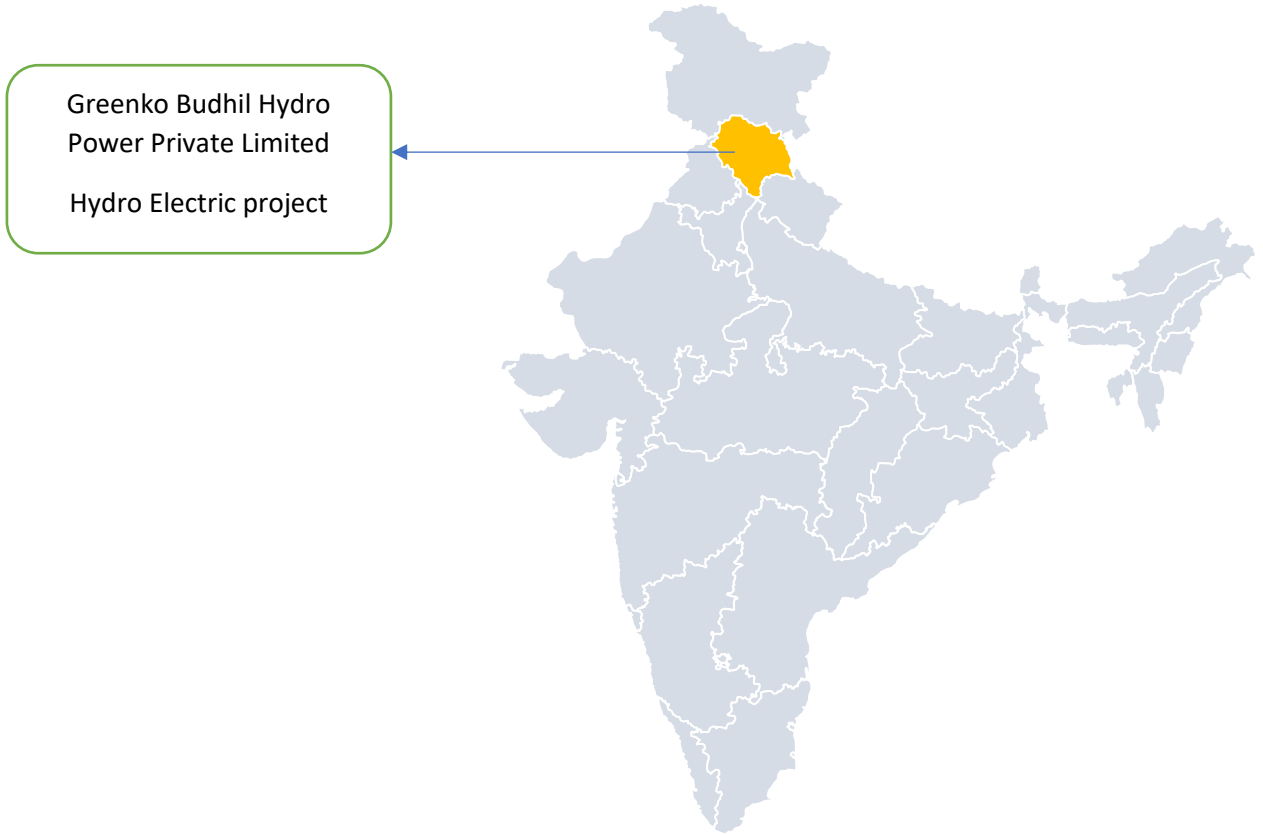
Project 14	Greenko Sumez Hydro Energy Private Limited
Capacity in MW	14
State	Himachal Pradesh



GHG savings

Year	GHG avoided in Million tCO2
2021 – 2022	0.046669426

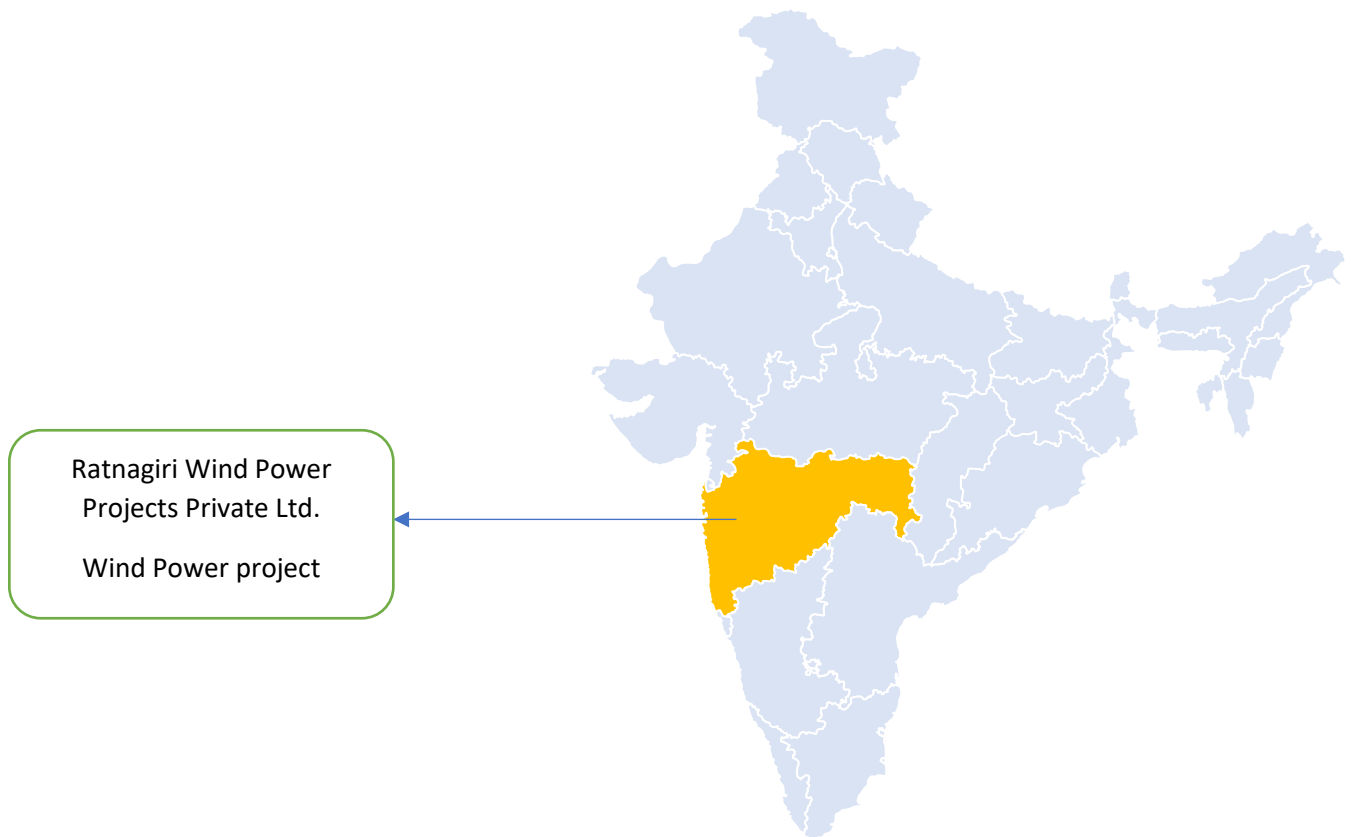
Project 15	Greenko Budhil Hydro Power Private Limited
Capacity in MW	70
State	Himachal Pradesh



GHG savings

Year	GHG avoided in Million tCO2
2021 – 2022	0.203687382

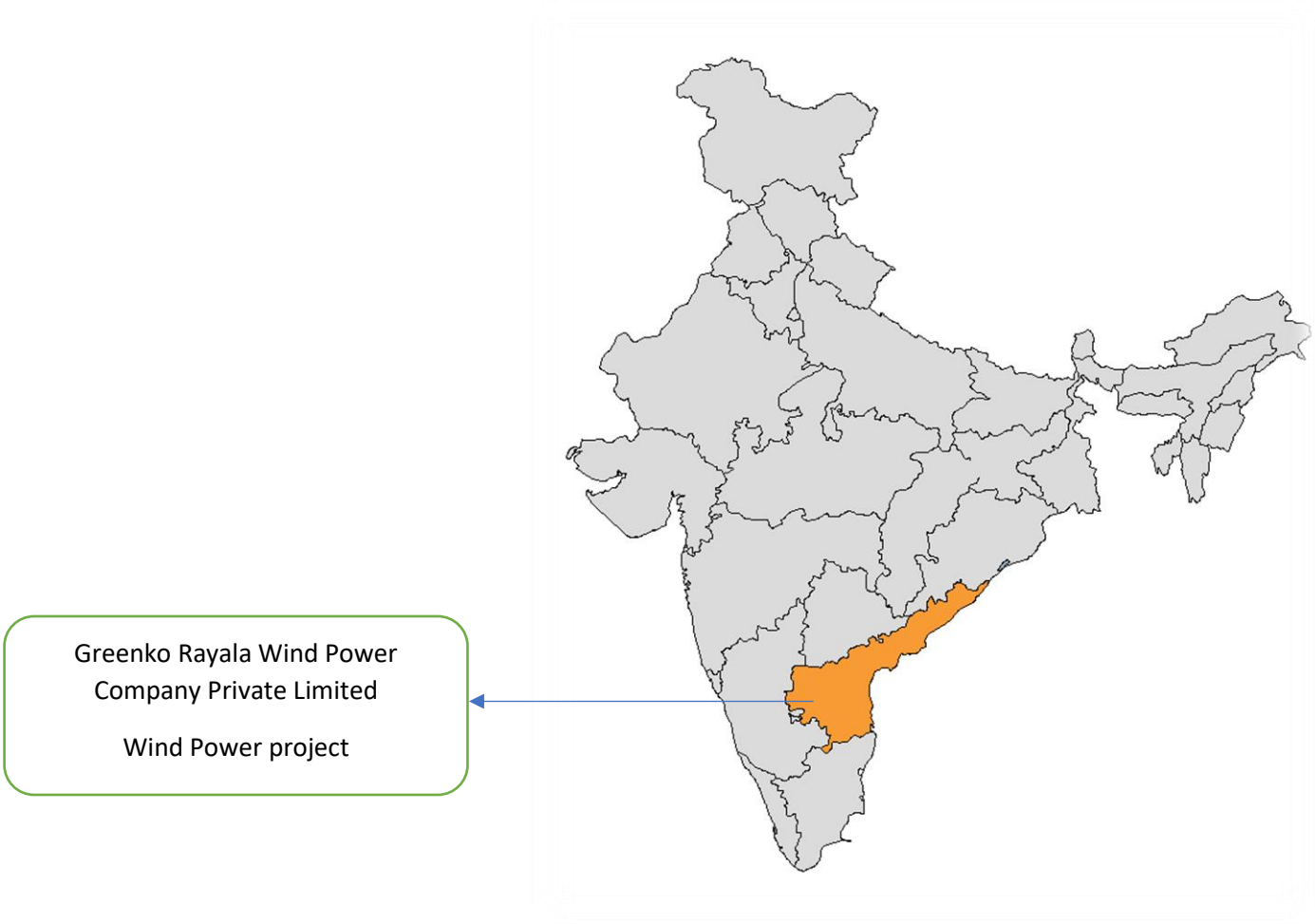
Project 16	Ratnagiri Wind Power Projects Private Limited
Capacity in MW	101.60
State	Maharashtra



GHG savings

Year	GHG avoided in Million tCO2
2021 – 2022	0.139393851

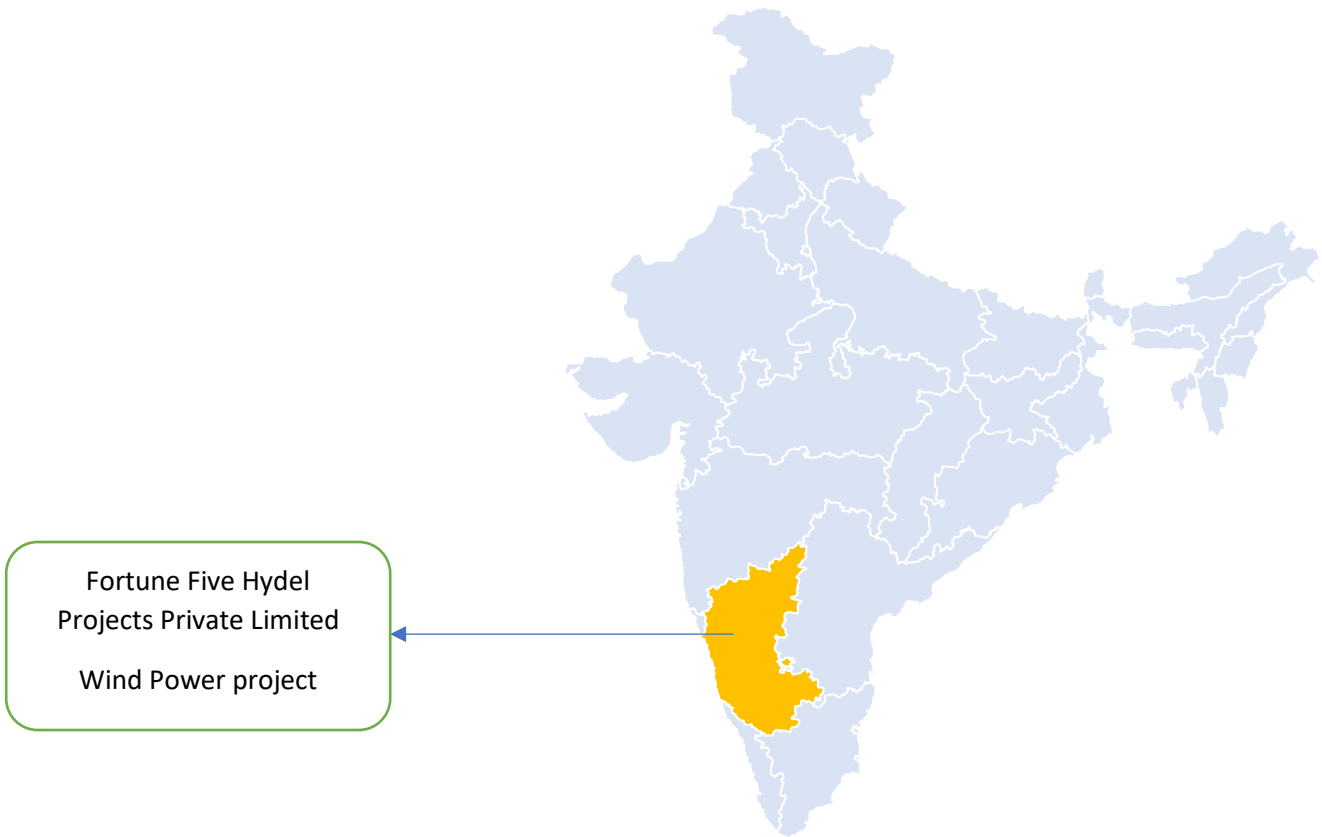
Project 17	Greenko Rayala Wind Power Private Limited
Capacity in MW	159.20
State	Andhra Pradesh



GHG savings

Year	GHG avoided in Million tCO2
2021 – 2022	0.291135339

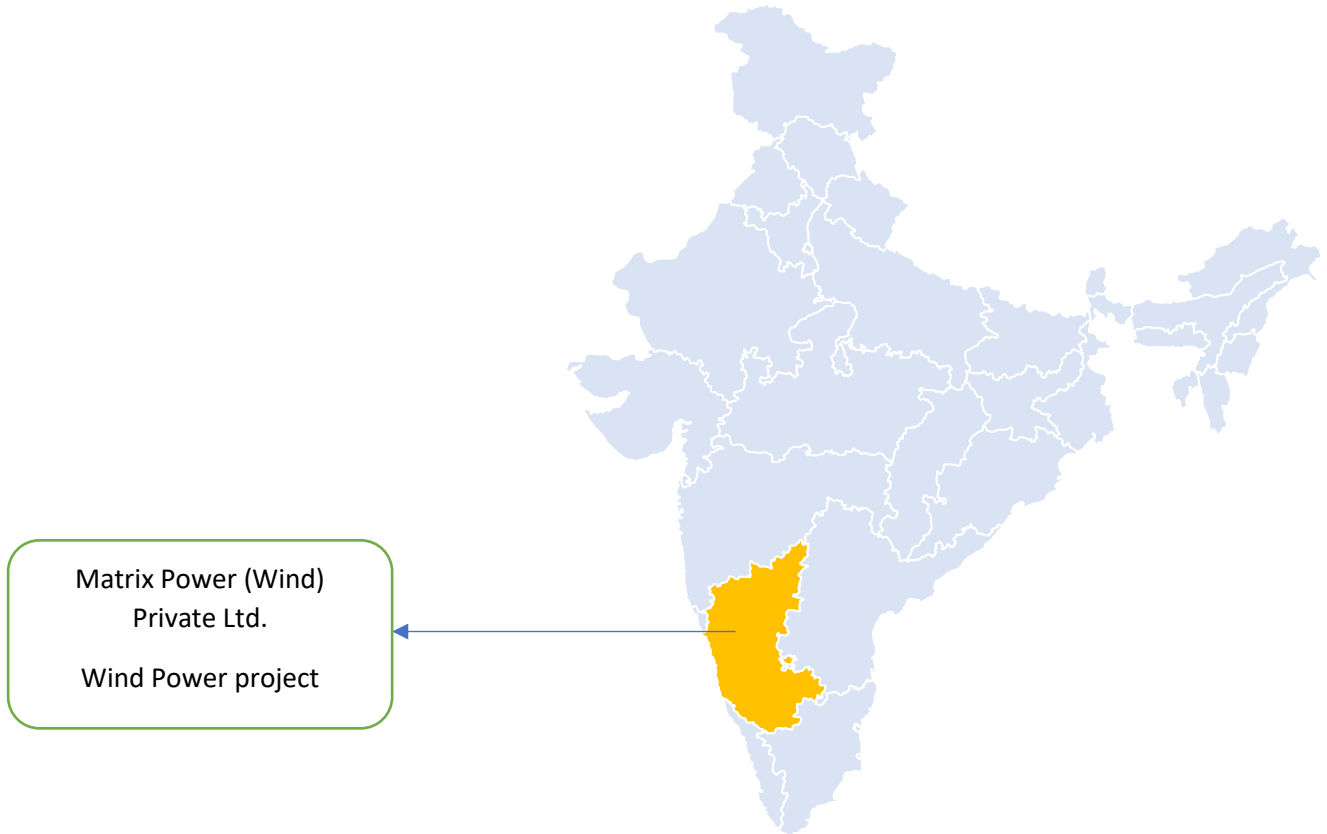
Project 18	Fortune Five Hydel Projects Private Limited
Capacity in MW	101.20
State	Karnataka



GHG savings

Year	GHG avoided in Million tCO2
2021 – 2022	0.165273788

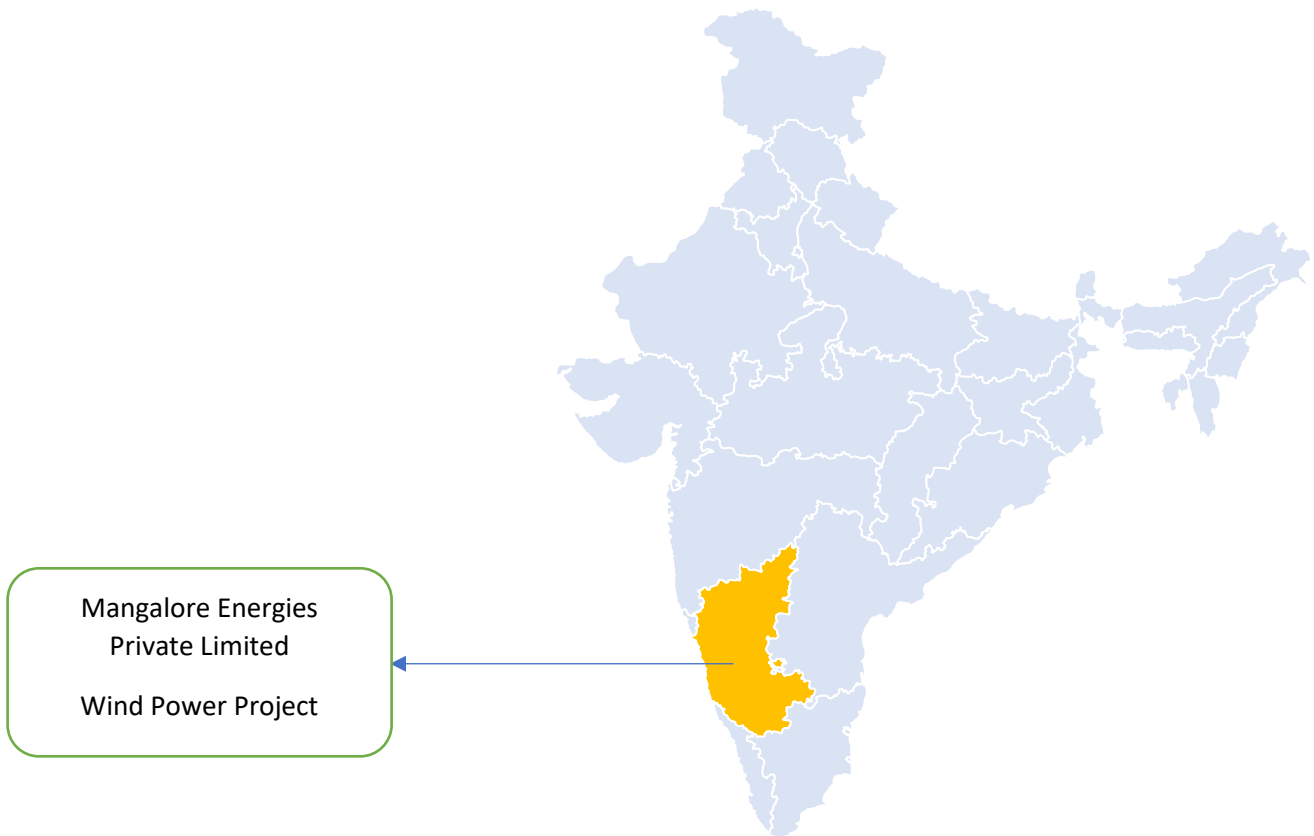
Project 19	Matrix Power (Wind) Private Limited
Capacity in MW	15
State	Karnataka



GHG savings

Year	GHG avoided in Million tCO2
2021 – 2022	0.028507926

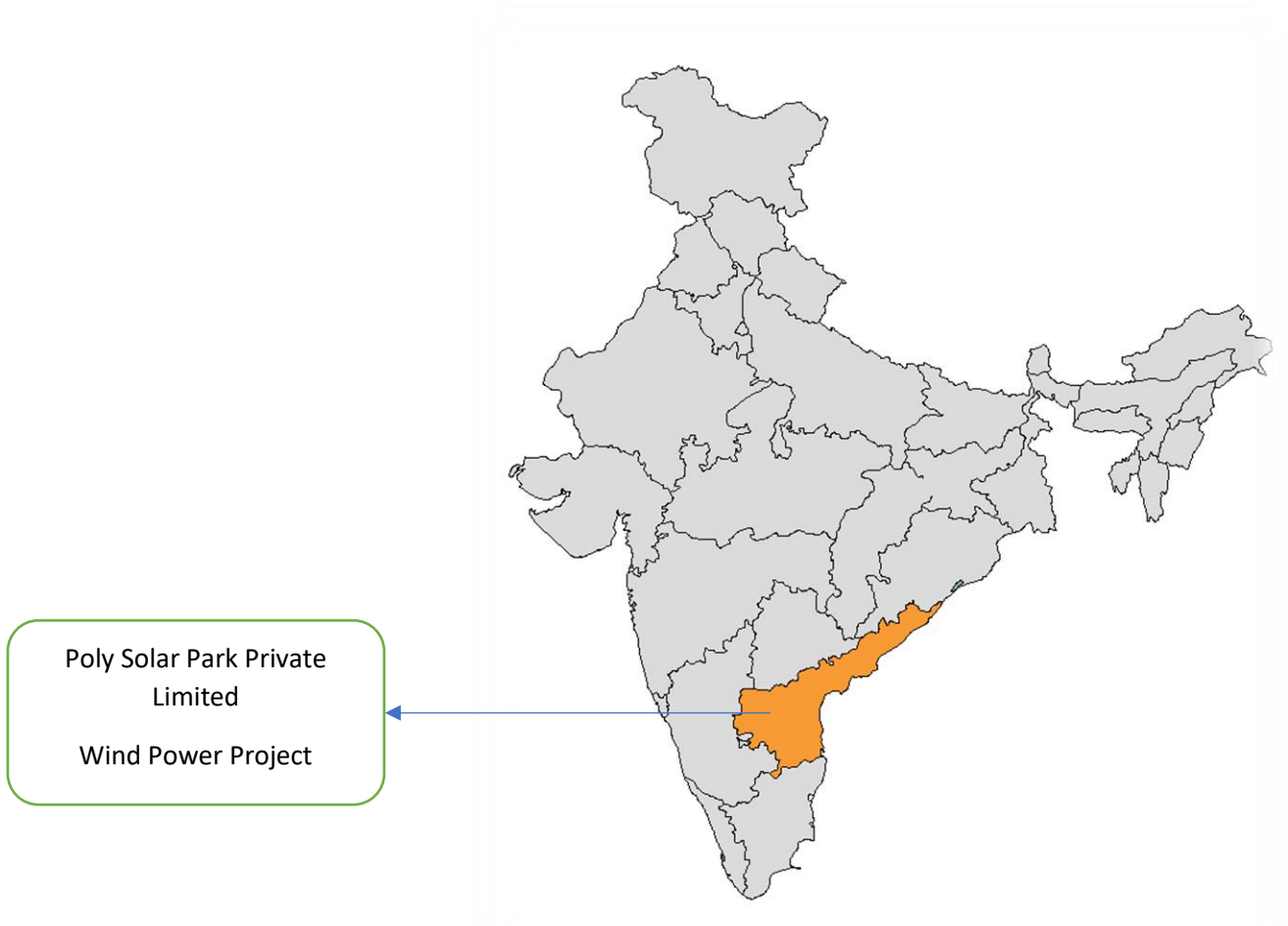
Project 20	Mangalore Energies Private Limited
Capacity in MW	15
State	Karnataka



GHG savings

Year	GHG avoided in Million tCO2
2021 – 2022	0.026439888

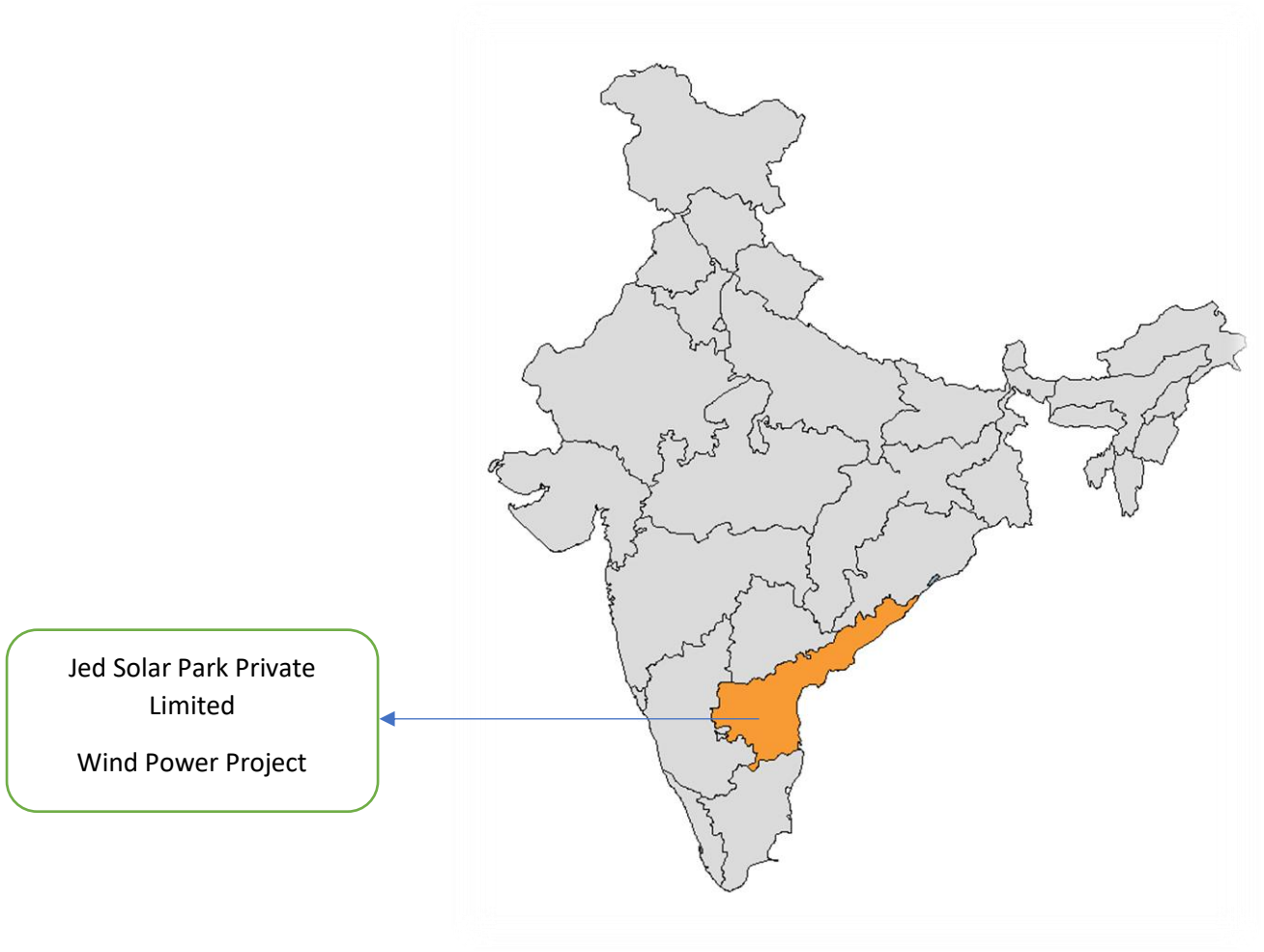
Project 21	Poly Solar Park Private Limited
Capacity in MW	24
State	Andhra Pradesh



GHG savings

Year	GHG avoided in Million tCO2
2021 – 2022	0.037778213

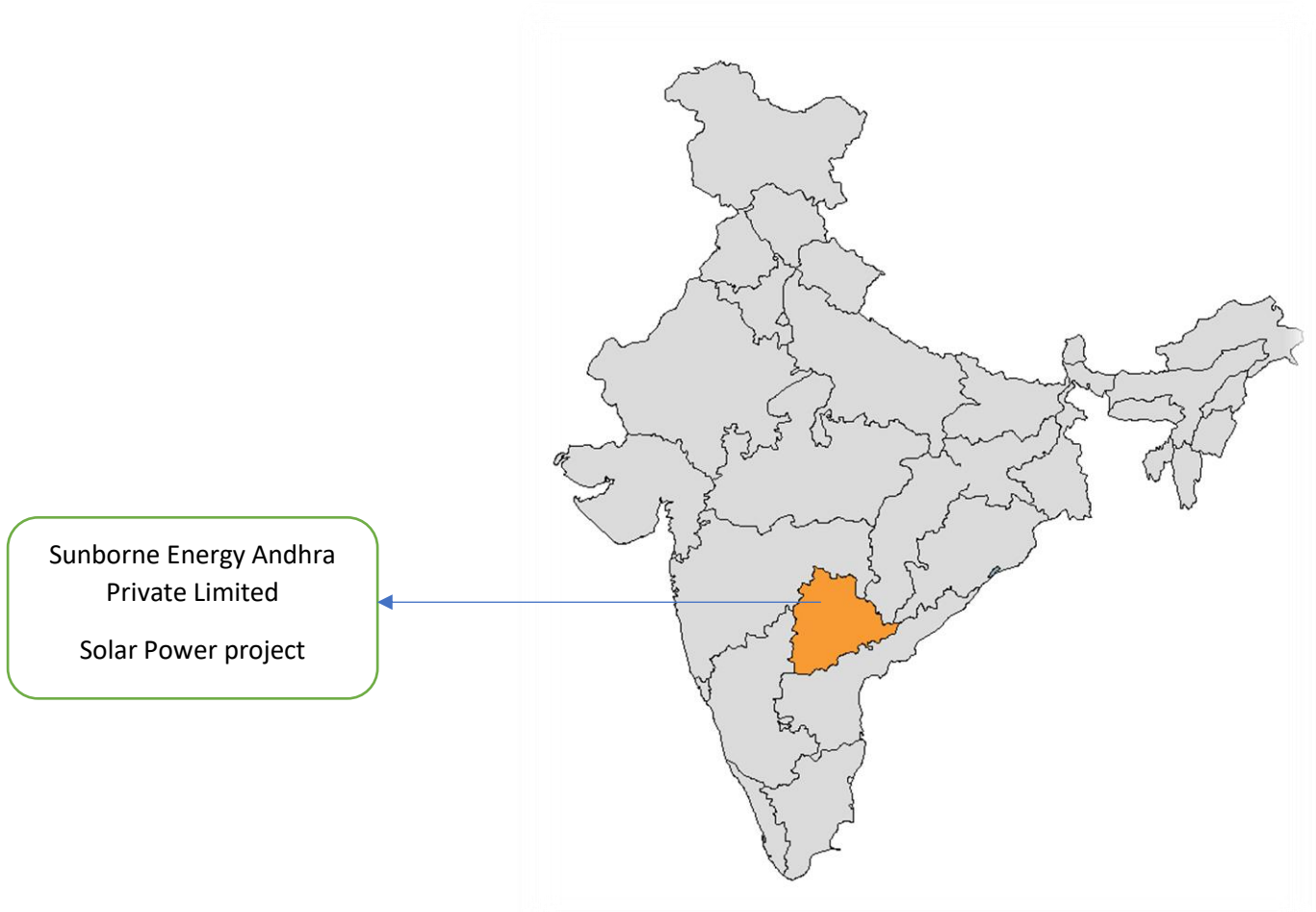
Project 22	Jed Solar Park Private Limited
Capacity in MW	24
State	Andhra Pradesh



GHG savings

Year	GHG avoided in Million tCO2
2021 – 2022	0.03794035

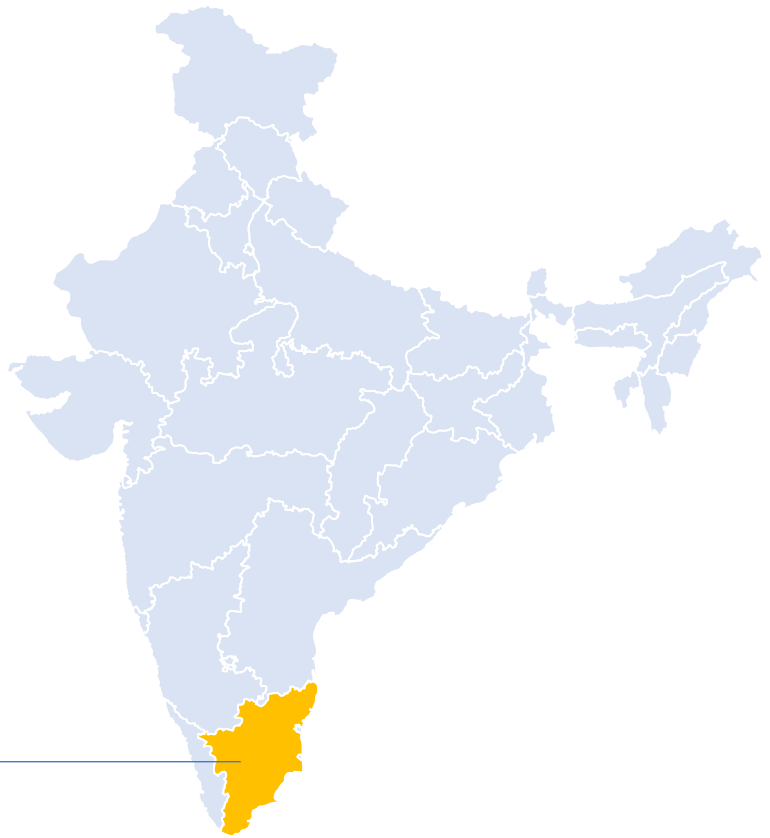
Project 23	Sunborne Energy Andhra Private Limited
Capacity in MW	35
State	Telangana



GHG savings

Year	GHG avoided in Million tCO2
2021 – 2022	0.056168802

Project 24	SEI Phoebus Private Limited
Capacity in MW	50
State	Tamil Nadu

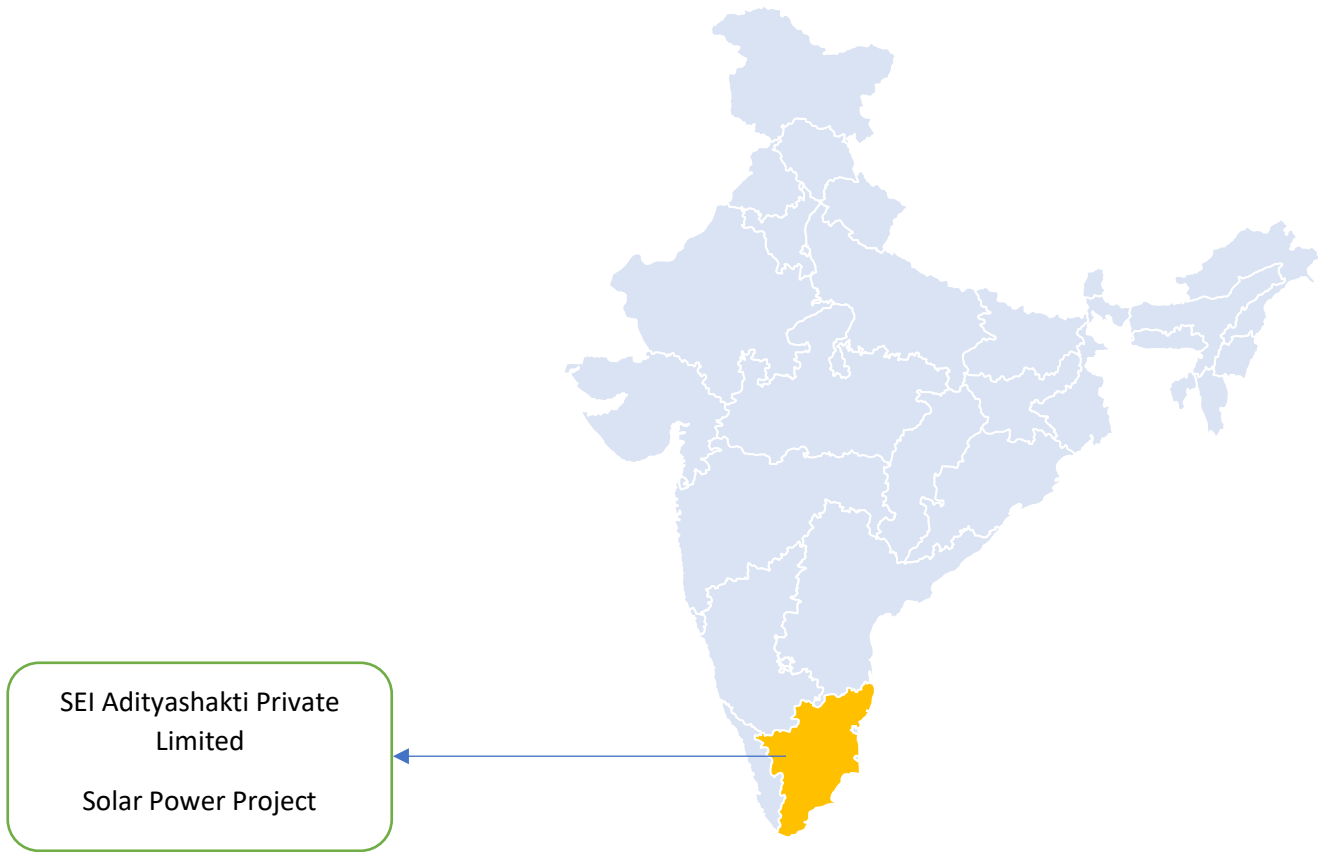


SEI Phoebus Private Limited
Solar Power Project

GHG savings

Year	GHG avoided in Million tCO2
2021 – 2022	0.080226655

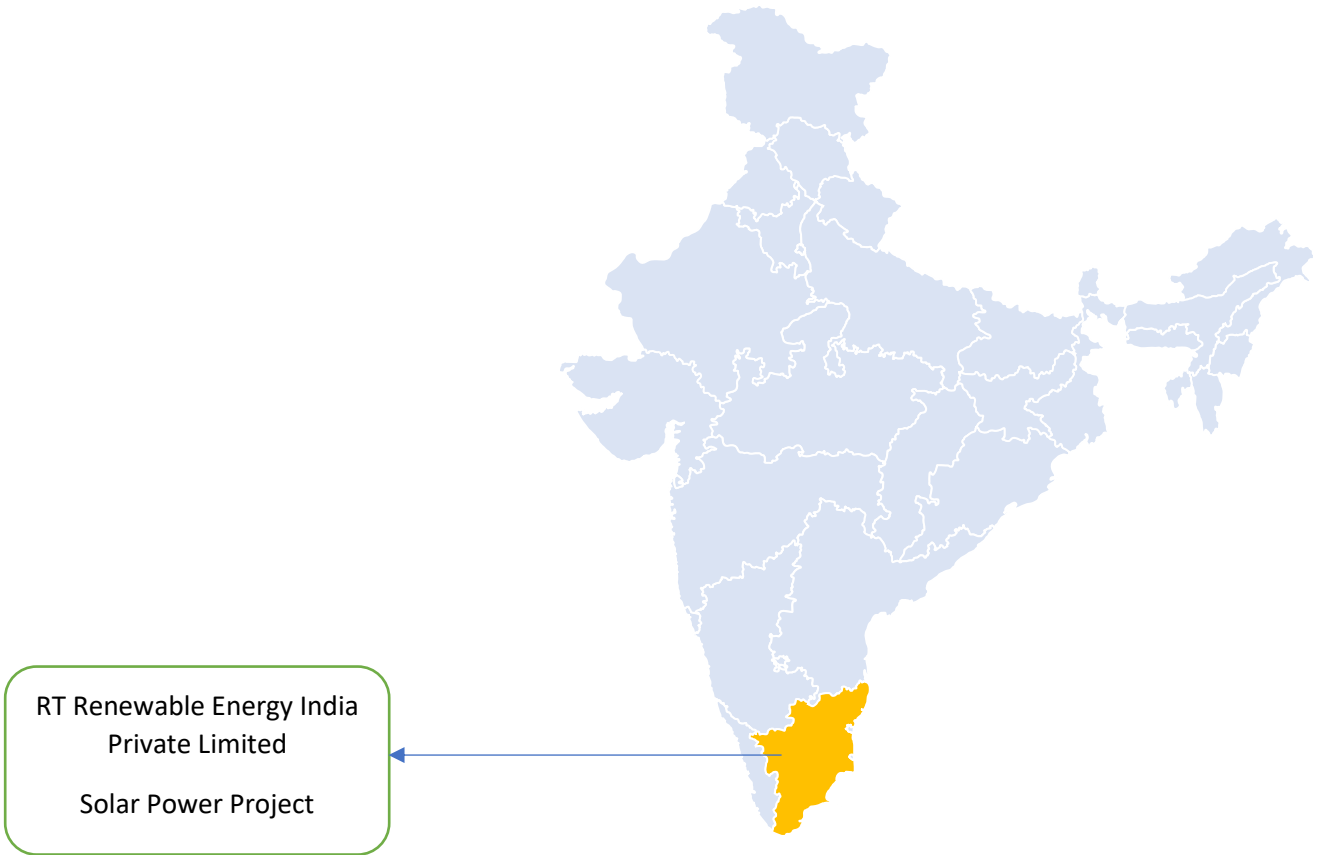
Project 25	SEI Adityashakti Private Limited
Capacity in MW	10
State	Tamil Nadu



GHG savings

Year	GHG avoided in Million tCO2
2021 – 2022	0.015994374

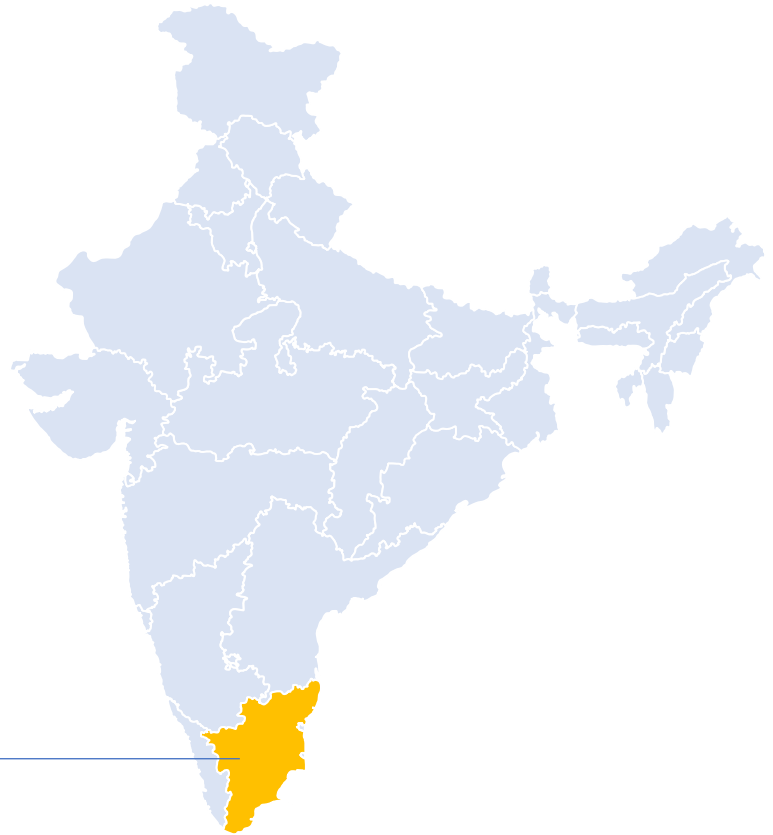
Project 26	RT Renewable Energy India Private Limited
Capacity in MW	15
State	Tamil Nadu



GHG savings

Year	GHG avoided in Million tCO2
2021 – 2022	0.022117173

Project 27	SEI Adhavan Power Private Limited
Capacity in MW	50
State	Tamil Nadu

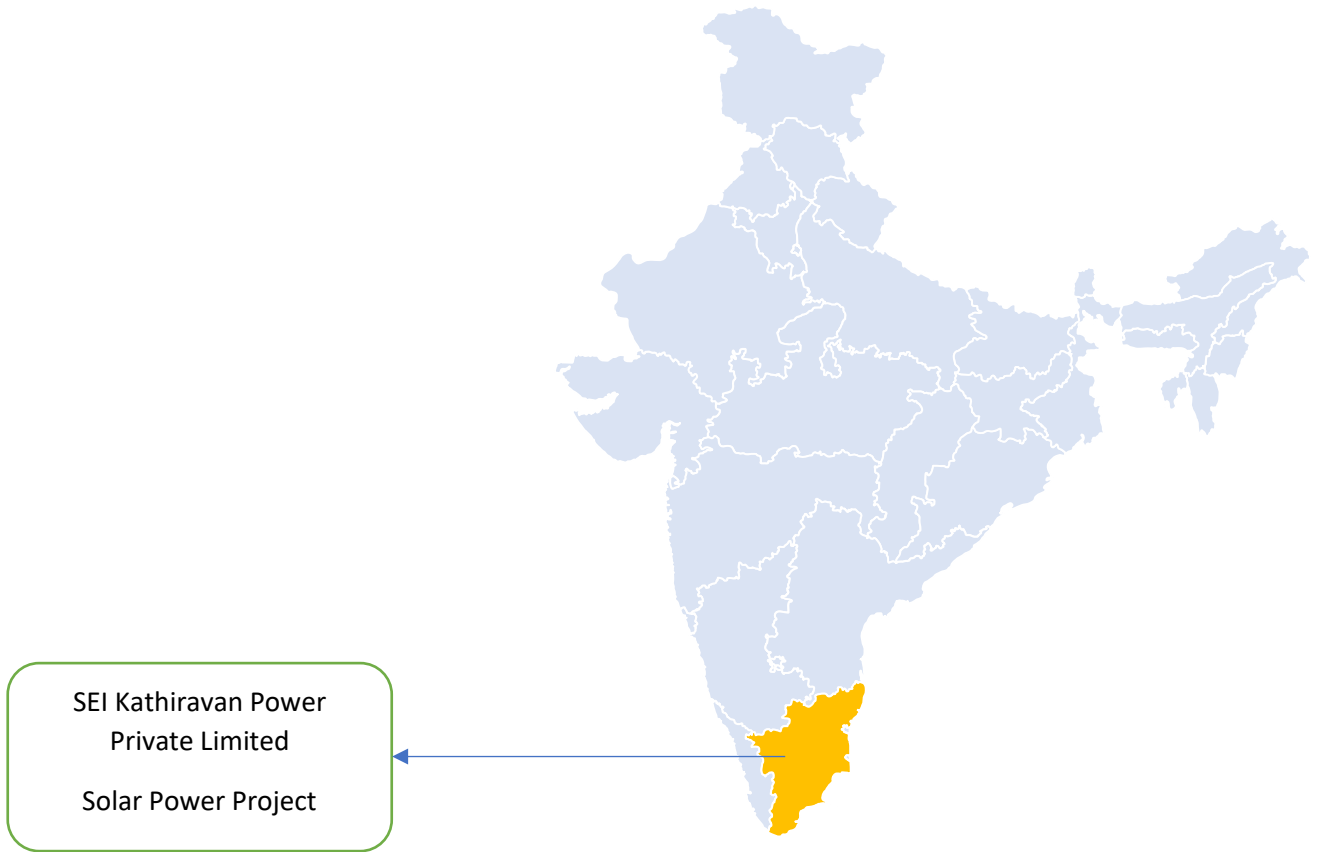


SEI Adhavan Power Private Limited
Solar Power Project

GHG savings

Year	GHG avoided in Million tCO2
2021 – 2022	0.074189204

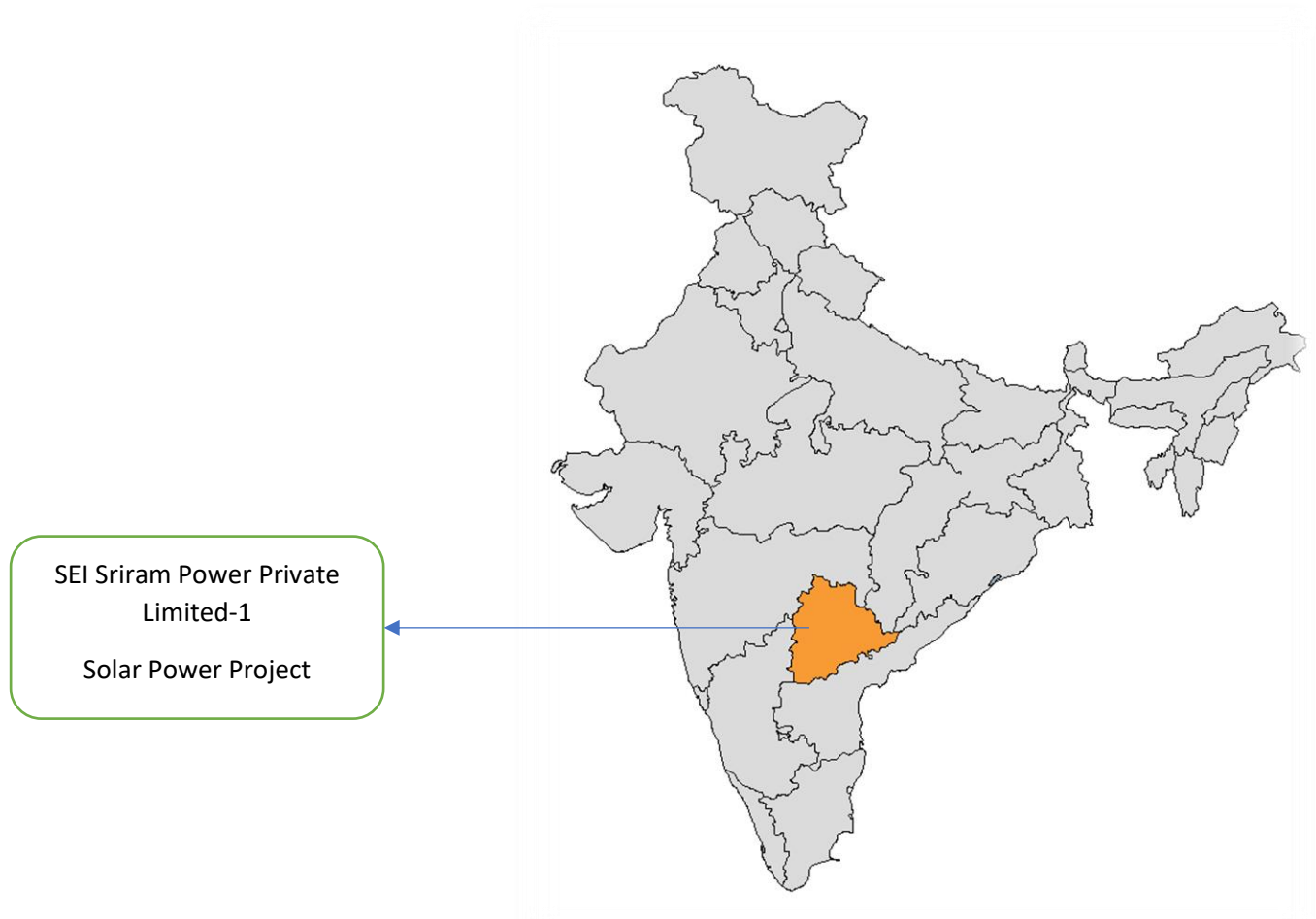
Project 28	SEI Kathiravan Power Private Limited
Capacity in MW	50
State	Tamil Nadu



GHG savings

Year	GHG avoided in Million tCO2
2021 – 2022	0.078827808

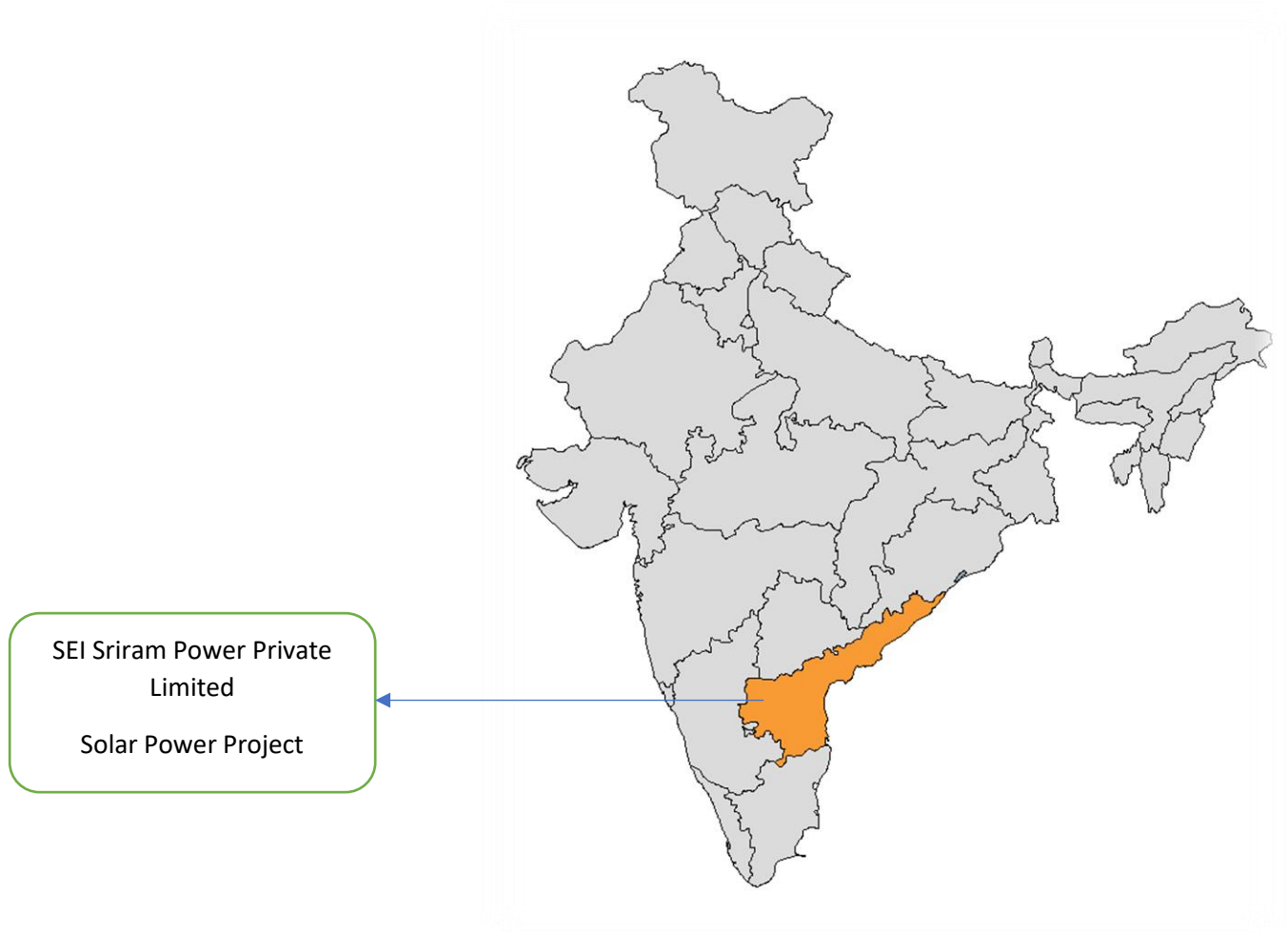
Project 29	SEI Sriram Power Private Limited -1
Capacity in MW	20
State	Telangana



GHG savings

Year	GHG avoided in Million tCO2
2021 – 2022	0.044512862

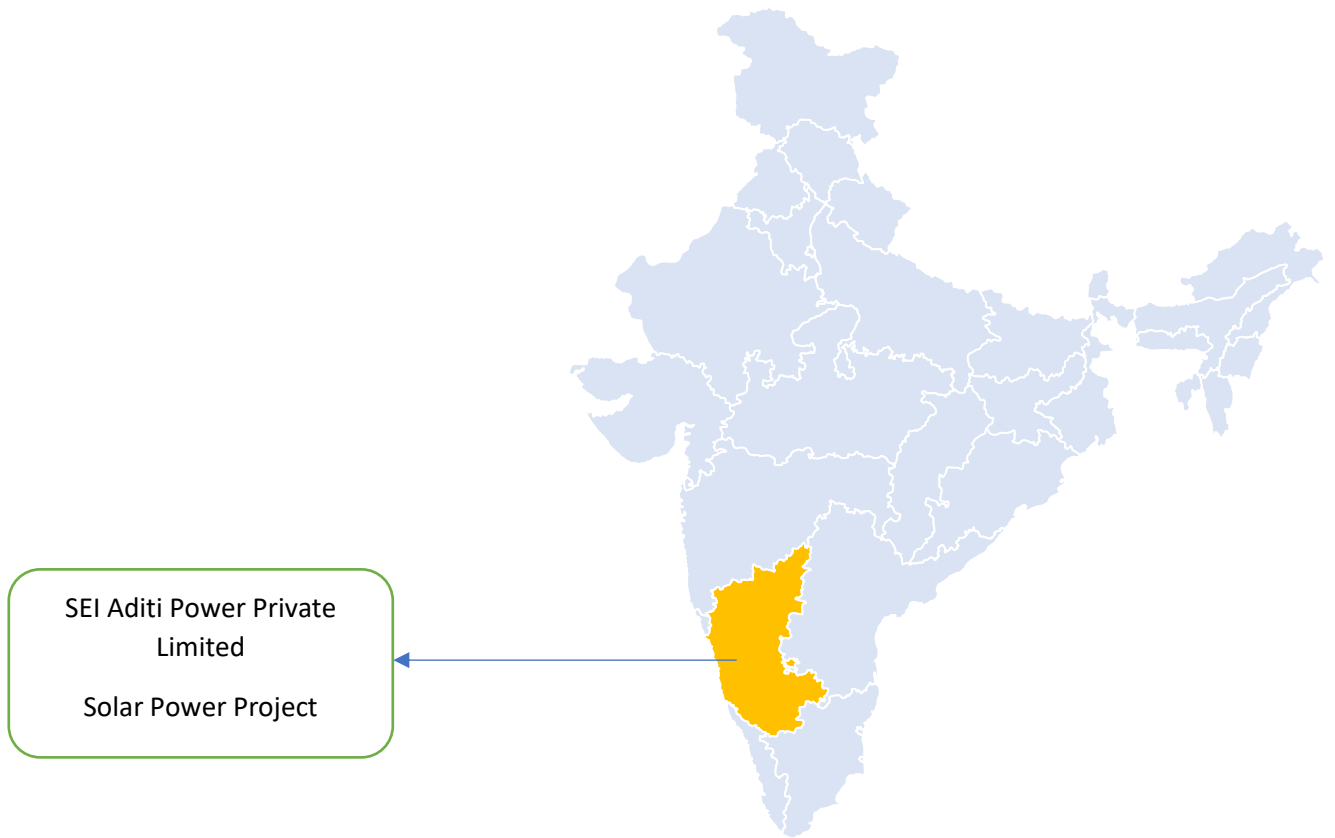
Project 30	SEI Sriram Power Private Limited -2
Capacity in MW	19.4
State	Andhra Pradesh



GHG savings

Year	GHG avoided in Million tCO2
2021 – 2022	0.044512862

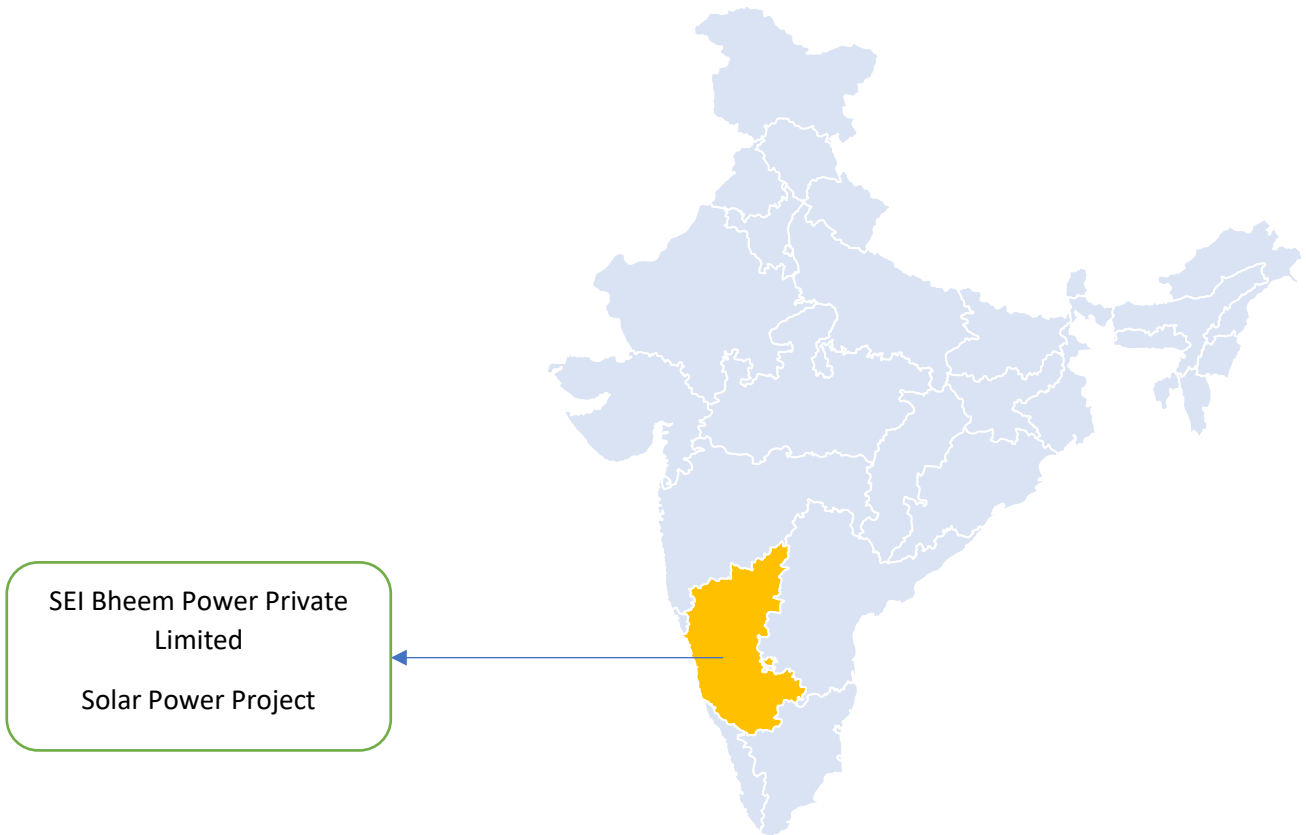
Project 31	SEI Aditi Power Private Limited
Capacity in MW	30
State	Karnataka



GHG savings

Year	GHG avoided in Million tCO2
2021 – 2022	0.04244484

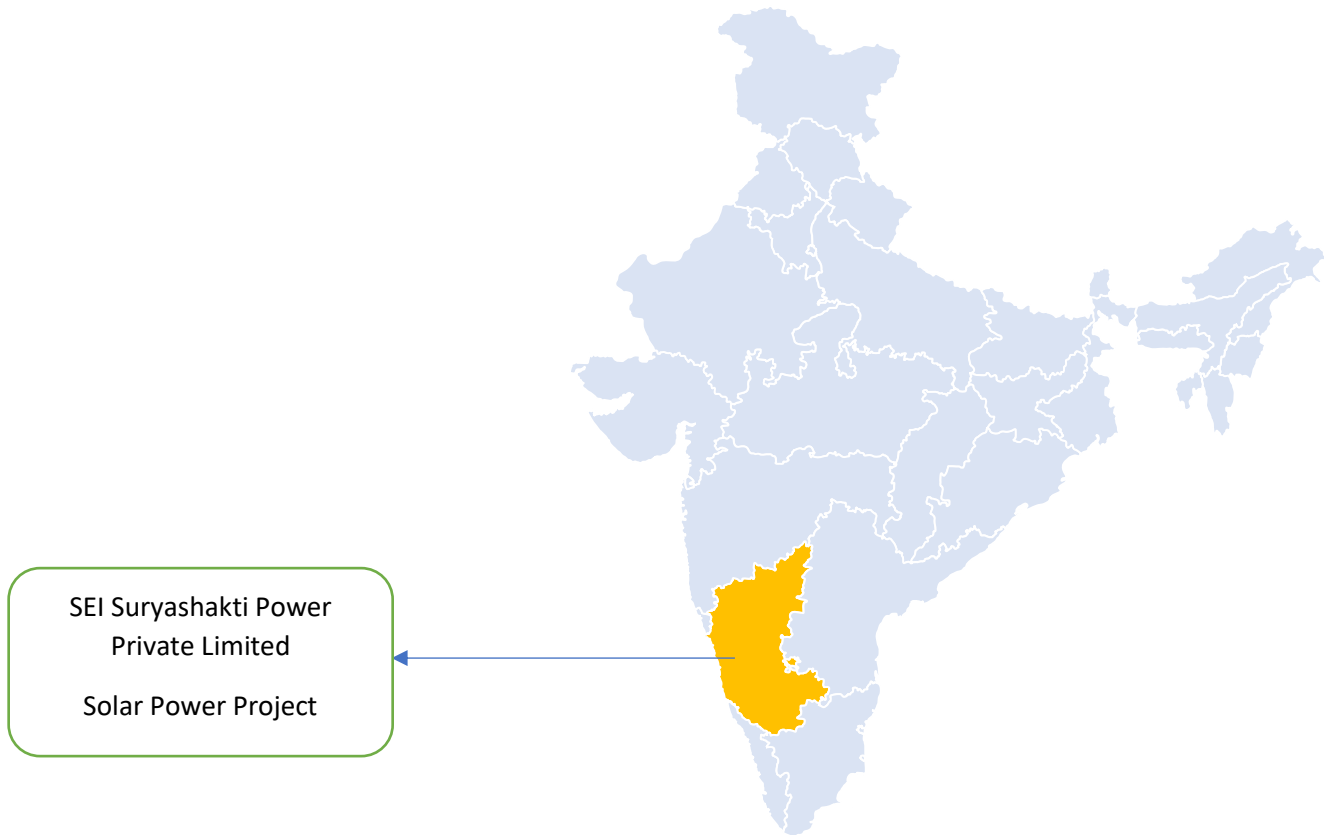
Project 32	SEI Bheem Private Limited
Capacity in MW	30
State	Karnataka



GHG savings

Year	GHG avoided in Million tCO2
2021 – 2022	0.042382269

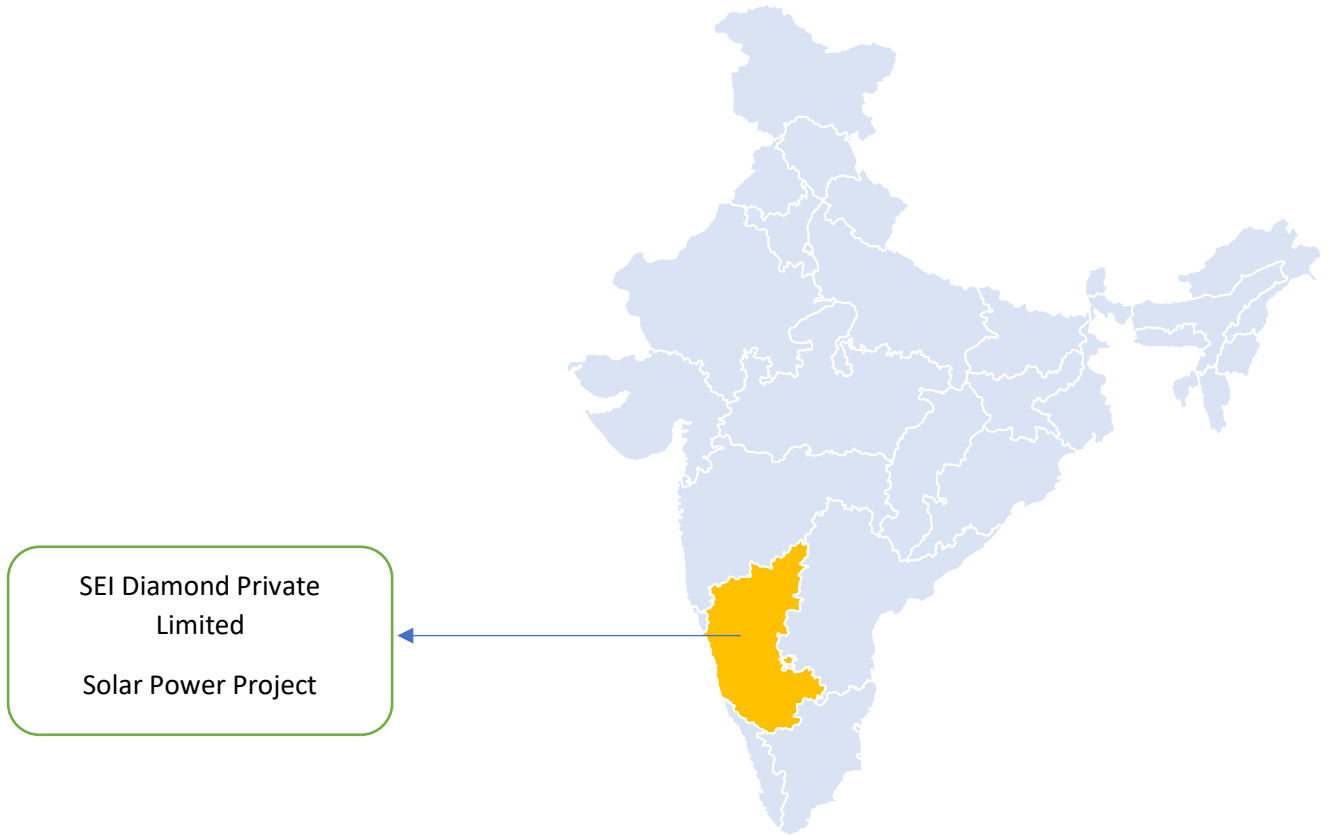
Project 33	SEI Suryashakti Power Private Limited
Capacity in MW	30
State	Karnataka



GHG savings

Year	GHG avoided in Million tCO2
2021 – 2022	0.043114112

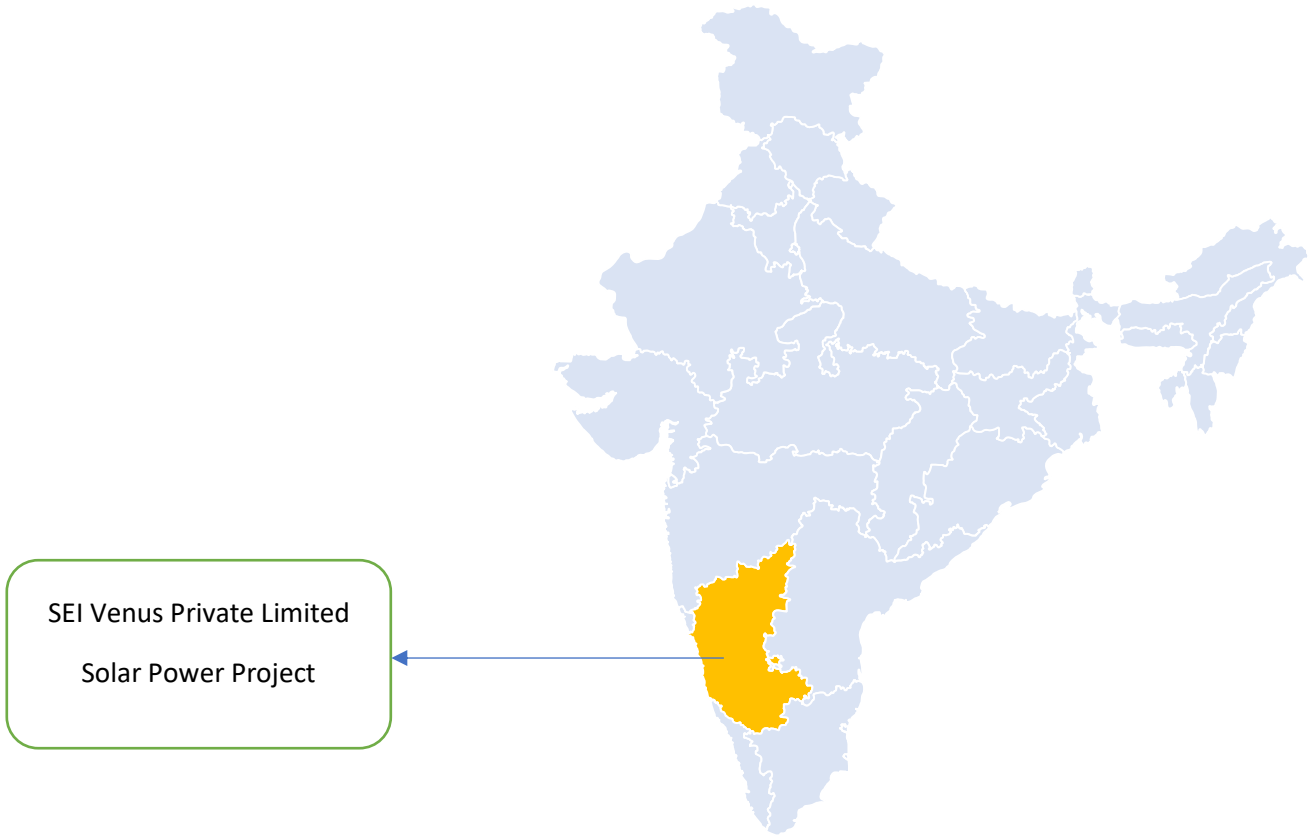
Project 34	SEI Diamond Private Limited
Capacity in MW	30
State	Karnataka



GHG savings

Year	GHG avoided in Million tCO2
2021 – 2022	0.041289229

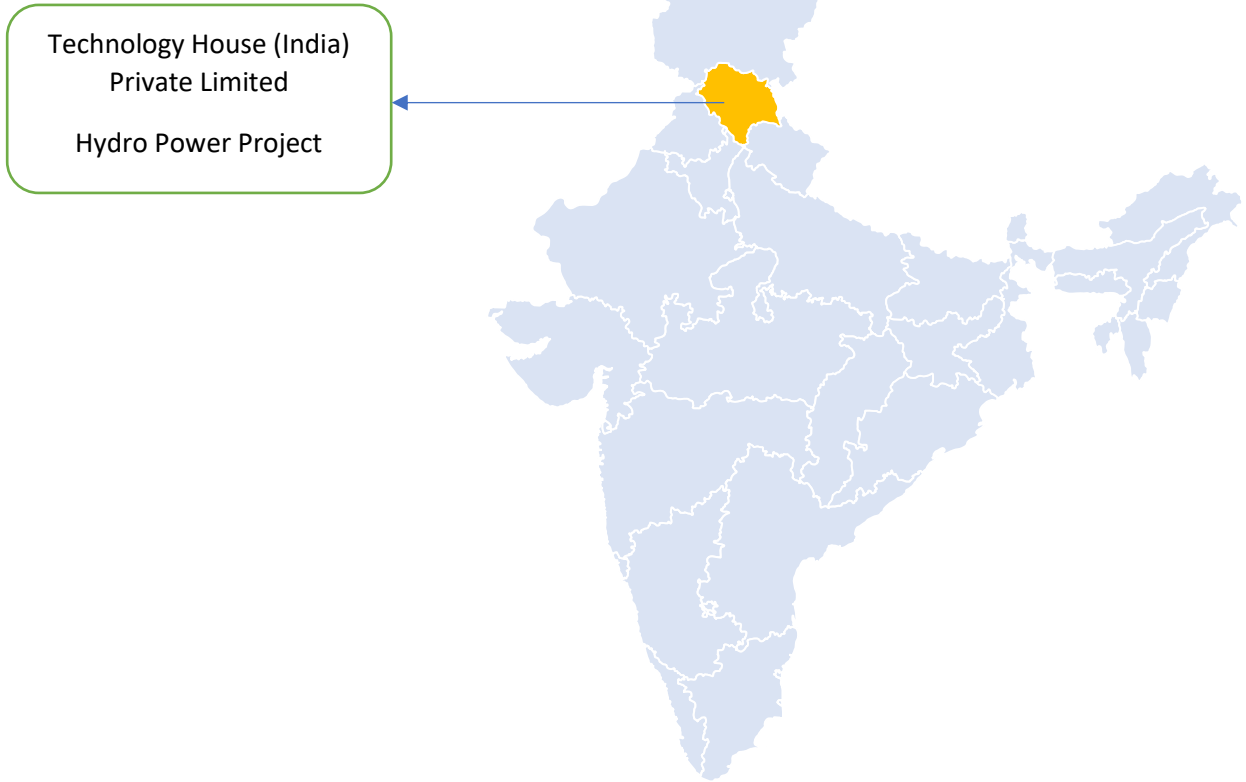
Project 35	SEI Venus Private Limited
Capacity in MW	30
State	Karnataka



GHG savings

Year	GHG avoided in Million tCO2
2021 – 2022	0.040800736

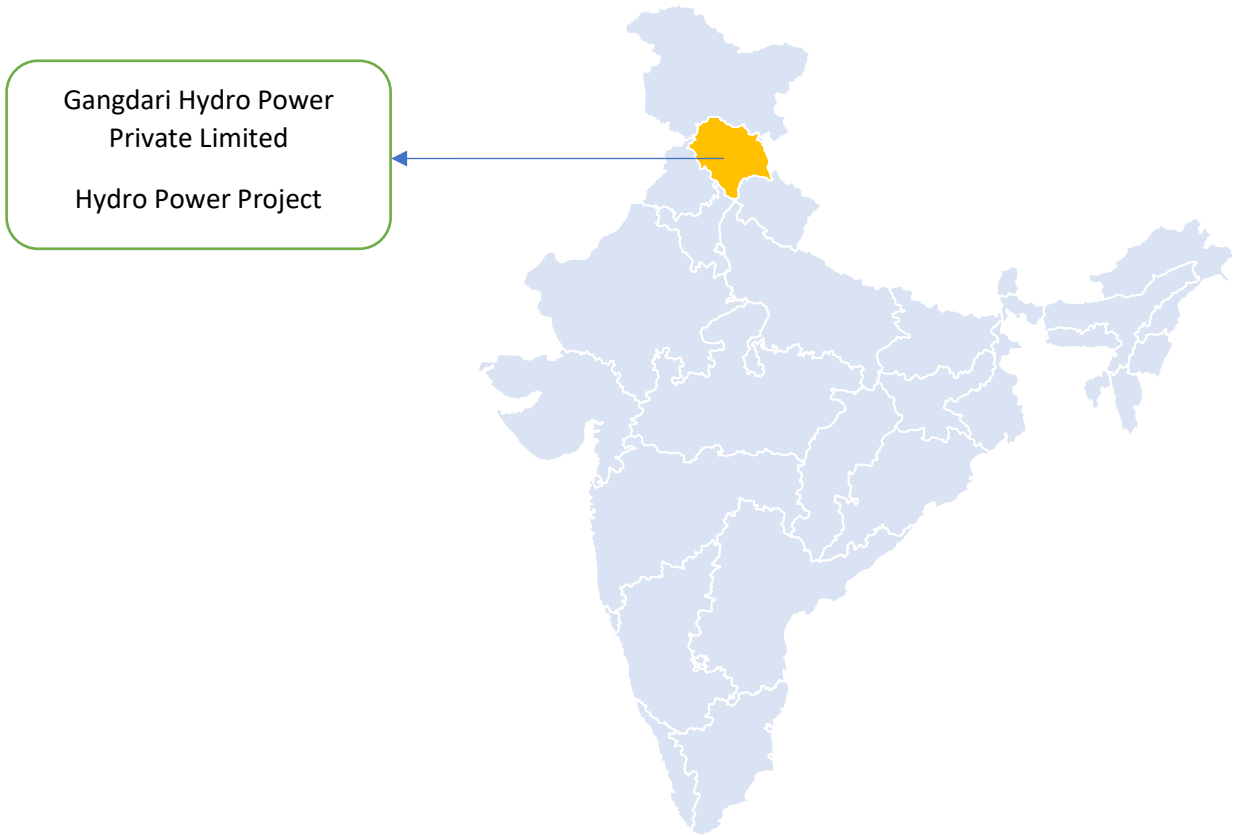
Project 36	Technology House (India) Private Limited
Capacity in MW	9.6
State	Himachal Pradesh



GHG savings

Year	GHG avoided in Million tCO ₂
2021 – 2022	0.0229959

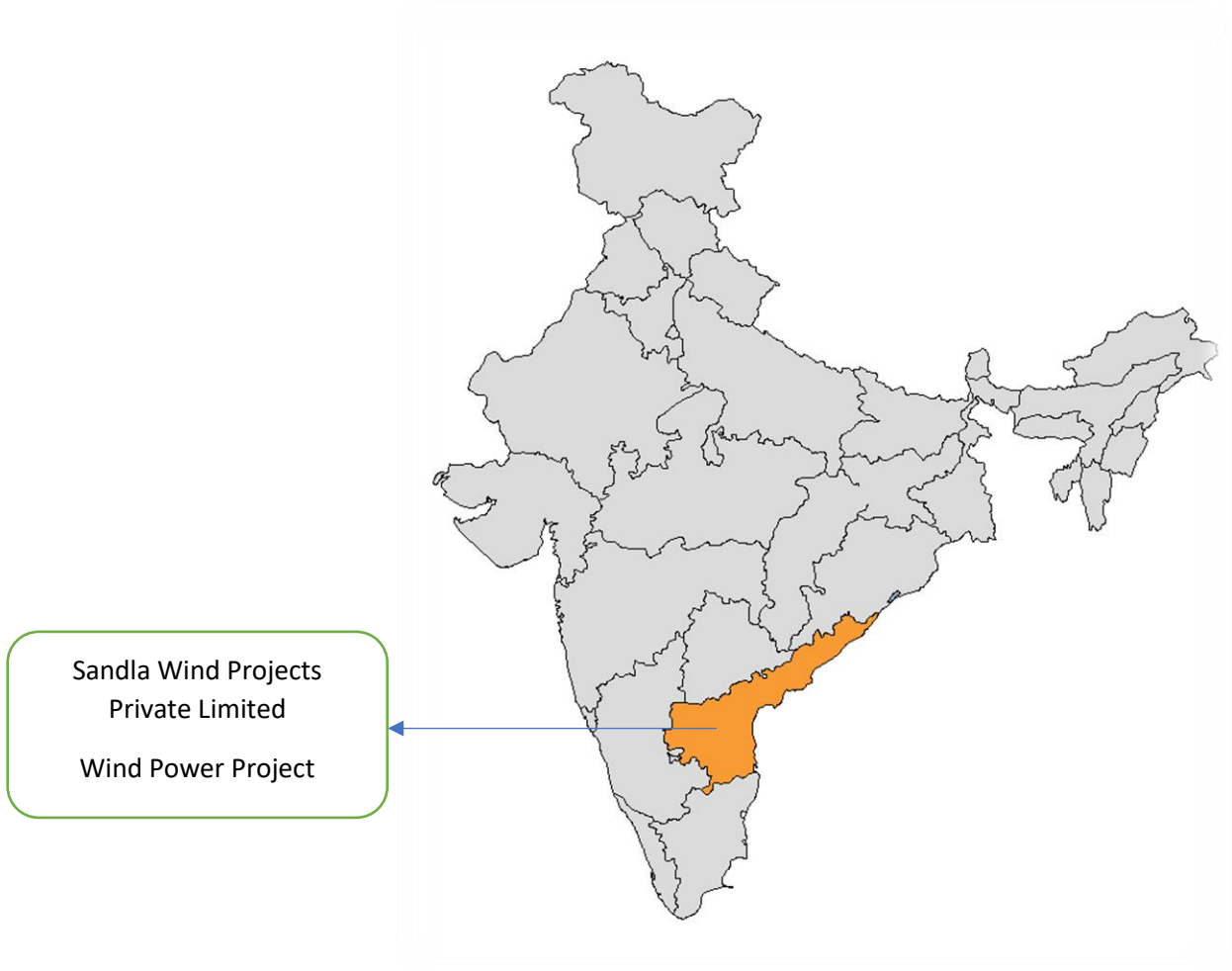
Project 37	Gangdari Hydro Power Private Limited
Capacity in MW	26
State	Himachal Pradesh



GHG savings

Year	GHG avoided in Million tCO2
2021 – 2022	0.0476442

Project 35	Sandla Wind Projects Private Limited
Capacity in MW	50.4
State	Andhra Pradesh



GHG savings

Year	GHG avoided in Million tCO2
2021 – 2022	0.0913113



#1131/A, Sai Square Building, Road No.
36,
Jubilee Hills, Hyderabad- 500033,
Telangana State, India.

For any queries and suggestions on the data and
information please write to
sustainability@greenkogroup.com