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GREEN INDIA INITIATIVE
Pvt. Ltd.

A Social Enterprise



Company Profile

Green India Initiative Pvt. Ltd.

Trusted Partner for Sustainable Community Development

Expert firm who **design, implement and maintain social projects** of corporate (CSR), non-government organizations (NGO) and social enterprises.

www.giipl.in



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GREEN INDIA INITIATIVE
Pvt. Ltd.



Green India Initiative Pvt. Ltd.,
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GREEN INDIA INITIATIVE PVT. LTD.

Green India Initiative Private Limited (GIPL) is a for-profit social enterprise that has developed expertise in rural electrification through renewable energy projects since 2014. GIPL aspires to electrify 1000 villages and facilitate energy access to one million underprivileged rural citizens by 2025. It aspires to change the world by being a reliable sustainability partner assuring valued efficient energy solutions delivered with passion and have a relentless focus on customer satisfaction.

To sustain solar power projects in rural areas, GIPL's team before electrifying any village conducts the baseline survey to identify the energy needs of the villages. Based on the finding it conducts discussions with key stakeholders of the villages like school authorities, gram- panchayat members, and individual households to prioritize the energy needs of the village. For instance, a particular village may have a requirement of solar street lights, solar water pump, solar off-grid, and on-grid PV system and so on.

Based on the specification of needs, GIPL works out the project costs and motivates the rural residents to contribute their sweat equity (shram - daan) for installing solar products. To ensure that solar assets are maintained well, GIPL forms 'Solar Friends Group' and provides them with the skills and knowledge required to maintain the asset. Only when GIPL is assured that the community takes the responsibility to own and maintain the solar assets, the proposal is submitted to funding agencies to solicit their support for funds and execute the project.

Purpose / Vision

Our core purpose / vision is to channelize the appropriate investment towards the advancement of our country, serving underprivileged and environment up gradation.

Mission

GIPL's mission is to electrify 1000 villages and facilitate energy access to one lakh underprivileged rural citizens by 2025.

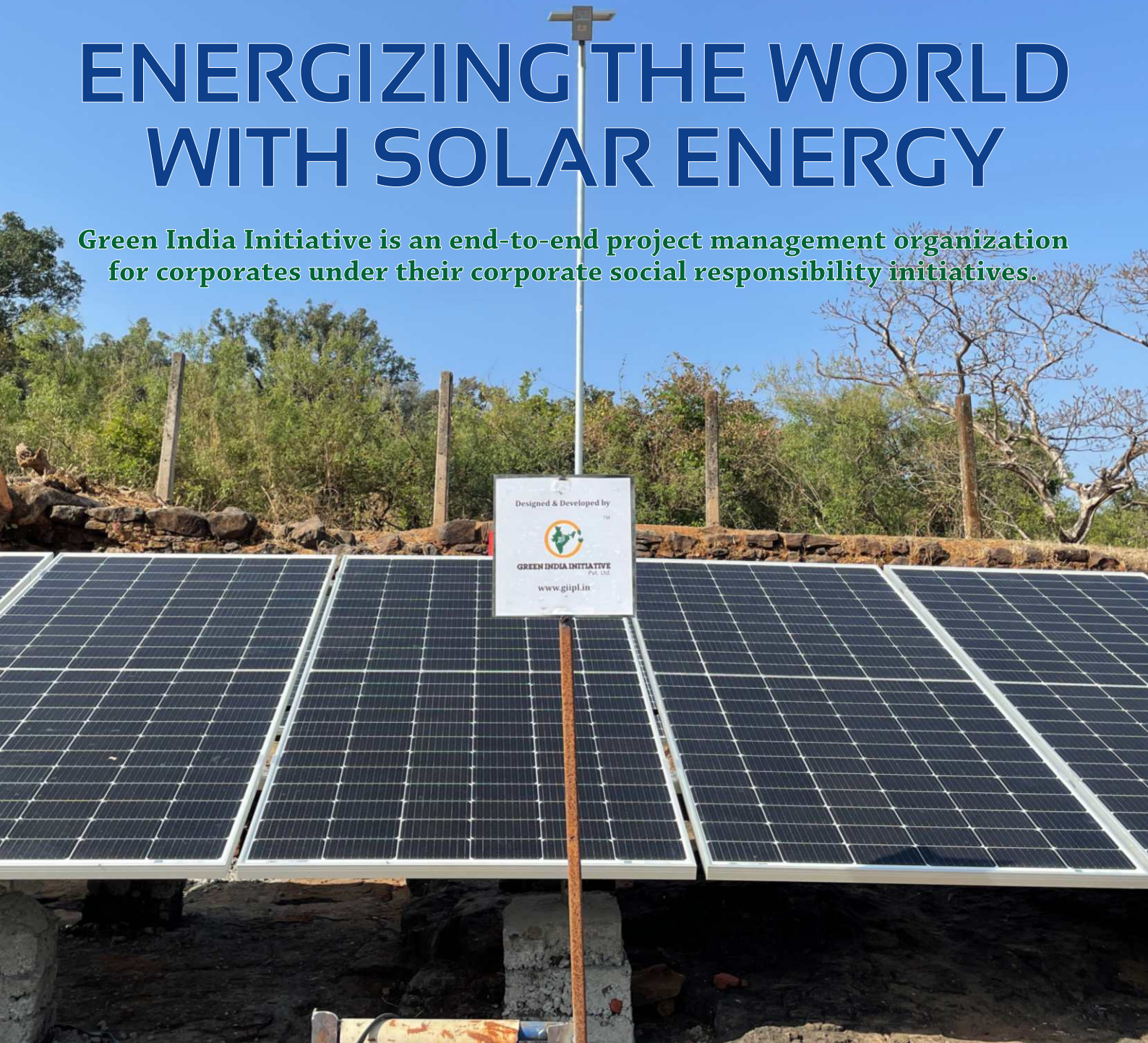
Core Values

Contribution | Adaptability | Satisfaction | Synergy
Innovation | Growth



ENERGIZING THE WORLD WITH SOLAR ENERGY

Green India Initiative is an end-to-end project management organization for corporates under their corporate social responsibility initiatives.



GREEN INDIA INITIATIVE A SOCIAL ENTERPRISE

Rural development refers to enhancing the quality of life and financial well-being of the individuals, specifically those living in the populated and remote areas. Rural development is salient similarly for most of the population residing in rural areas but also for the nation's overall economy. A social enterprise, Green India Initiative is an expert for-profit organization working in the domain of rural development through solar energy. With a decade of experience in executing rural development projects in the space of Corporate Social Responsibility, Green India Initiative has succeeded in lighting up more than 400 villages (covering small hamlets, padas, schools, Anganwadi, and group gram panchayats, etc.) through solar

energy innovative and sustainable projects.

The energy crisis is the concern that the world's demands are increasing gradually due to the limited natural resources available on the earth as the coal crisis has enlarged. Due to the increase in demand for electricity across the country, the purchase price of electricity is becoming more expensive, thus energy transition is progressively deemed as a promising opportunity for the economic development of rural areas. However, some rural regions are still dealing with issues of electricity, clean water & sanitation, lack of infrastructure, etc.

A Gram Energy Program is Designed & Executed by Green India Initiative to improve and ensure rural electrification which

contains school infrastructure & electrification, water availability, potable water arrangement, street lighting, and livelihood opportunities through solar energy.

Green India Initiative Private Limited (GI IPL) is a for-profit social enterprise that has developed expertise in Rural Electrification through renewable energy projects since 2014. GI IPL aspires to electrify 1000 villages and facilitate energy access to one million underprivileged rural citizens by 2025. It aspires to change the world by being a reliable sustainability partner to the corporations who want to execute sustainable CSR projects accompanying non-government organizations who want to develop rural communities cumulatively through Gram Energy Programs.

To sustain solar power projects in rural areas, before electrifying any village or schools, the GI IPL team conducts a baseline survey to identify the energy needs of the villages. Based on the finding, it escorts discussions with village stakeholders, like school authorities, gram-panchayat members, and individual households to prioritize the village's energy needs. For a specimen, a rural area requires solar street lights, solar water pumps, solar off-grid, on-grid PV systems, etc. Based on the stipulation of needs, GI IPL works out the project costs and motivates the rural residents to contribute their sweat equity (shram - daan) for installing solar products.

To ensure that the solar asset is maintained well GI IPL forms Solar Friends Group and provides them with the skills and knowledge required to maintain the assets. After assuring that the community upholds sole responsibility and can sustain the solar assets, GI IPL submits the proposal to the funding agencies to solicit their support for funds and execute the project.



GI IPL'S EFFORTS TOWARD RURAL DEVELOPMENT SO FAR

Under the CSR initiatives, GI IPL executes Gram-energy projects like Solar streetlights installation, solar cookers for mid-day meals, solar PV Off-grid systems for community centers, solar-enabled E-learning kits, electrification of Anganwadi and rural schools, solar water lifting systems, Solar water filtration system (UV), Solar Kapur Making machine for livelihood and solar dual pump systems are some of the services that GI IPL has implemented in the rural geographies of India.

While electrifying such various projects in the rural areas, GI IPL has electrified 400 villages by providing them with long-term environmental benefits through solar energy, dramatically reducing carbon emissions in the air you breathe, which improves your overall health. So far, GI IPL has reduced 1300+ tons of carbon footprint emissions per year. GI IPL is an end-to-end project management organization that has undertaken some strategies which include the baseline survey & technical survey – internal assessment of the site - meeting with the stakeholders of the project for primary data collection - finalizing the villages or schools for solar intervention – procurement of quality materials according to the design – installation & commissioning – training & document and preparing the final Project report with the internal team.

An advanced version of solar systems has not existed in the rural areas; so GI IPL has come up with a solution to facilitate solar energy access to underprivileged rural citizens. Green India Initiative started working in the rural villages in 2014 in the last eight years where we have developed more than 400 villages of India in eight states of India.

THE OBJECTIVES

- To become a reliable sustainability partner for donor organizations like corporates, governments, Social Enterprises and Non-Government Organizations, etc.
- To provide/promote value-added and quality renewable energy products.
- To light up the life of the underprivileged community with solar energy.
- To execute development projects of donor organizations with a sustainability approach.
- To create livelihood opportunities with the utilization of renewable energies in the interventions.

OUR MISSION

GI IPL's mission is to electrify 1000 villages and facilitate energy access to more than one million underprivileged rural citizens by 2025.





Green India Initiative Private Limited (GIPL) is a for-profit social enterprise, that has developed expertise in rural electrification through renewable energy projects since 2014, for the development of the underprivileged section. GIPL aspires to light up the world with renewable energy by being a reliable sustainability partner for donor organizations (corporates, government, SEs, and NGOs) assuring valued efficient energy solutions delivered with passion and have a relentless focus on customer satisfaction.

VISION
The vision of GIPL is to channelize the appropriate investment towards the advancement of our country, beneficiary development, and environmental up-gradation through renewable energies.

MISSION
GIPL's mission is to electrify 1000 villages and facilitate energy access to one underprivileged rural citizens by 2025.

VALUES
Contribution | Adaptability | Synergy | Satisfaction | Innovation | Growth

OBJECTIVES:

- To become a reliable sustainability partner for donor organizations like corporates, government, NGOs, etc.
- To provide/promote value-added and quality renewable energy products.
- To light up the life of the underprivileged community with solar energy.
- To execute development projects of donor organizations with a sustainability approach.
- To create livelihood opportunities with the utilization of renewable energies in the intervention areas.

(GIPL Official Website, 2020)



THE SOLAR MAN, THE PERSON BEHIND THE INITIATIVE

Sachin Shigwan, the Managing Director & Founder of Green India Initiative aka the Solar Man, founded the company in the year 2014, aspire to bring electricity to rural households of India by serving as a bridge between beneficiaries and NGOs as a project implementation partner in rural areas, and as consultants for providing expertise in areas of contrivance, value-added benefits, engineering, procurement, and commissioning of solar energy projects in remote rural areas.

Sachin Shigwan is a strong promoter of solar energy as per his thought process, solar power is easy to accept, easy to understand, easy to maintain, and free energy access for all. With his continuous efforts and vision till now, GIPL has electrified over 400+ villages across the nation and contributed to reducing energy poverty in rural communities.

He has trained around 5000 corporate employees and approximately 10000 youths through the employee/student's solar ambassadors' program (online/offline). He is also a mentor for engineering and management colleges for providing employment and volunteering experience to the students. Also, Sachin Shigwan (The Solar Man) has been recognized by many media partners such as Lokmat, EPR Magazine, Consultant Review magazine, CIA World Magazine, Sustainable Champion, CSR Box (Digital), and Sony BBC Earth (digital) as well as village beneficiaries were the project has implemented.

SHORT INTRODUCTION OF MR. SACHIN SHIGWAN.

Sachin Yashwant Shigwan is the founder and managing director of Green India Initiative Pvt. Ltd., a social enterprise from August

5, 2014. Sachin Shigwan completed his B. Com degree from Mumbai University in India and MBA in Social Entrepreneurship from NMIMS University, Mumbai. He has 10 years of ground level experience in Solar Energy Industry and rural development.

Sachin Shigwan is a recipient of prestigious awards:

- Professional Citizen Karamveer Puraskar - Advertising 2010 By Iongo, New Delhi
- Dr. Shirin Gadhia Sustainability Award 2014 By ICNEER, Baroda
- Top Most Green Leaders (Global) 2022 By World CSR Congress, Mumbai
- Green Entrepreneur 2022 by Vyapar Jagat, Ahmedabad

His company Green India Initiative has lit up more than 400 villages in seven states of India through solar and Mr. Sachin has personally worked in more than 350 villages understanding the real issues of rural India.

He is also recognized as a 'The Solar Man' in India for his exceptional work in rural development through solar energy. He also got recognized by Sony BBC Earth as a Earth Champion and The Solar Man and Sustainable Champion by Sustainability Champion Instagram Handle.

Philosophy of Sachin Shigwan is serving the corporations, who look for sustainable and innovative CSR projects and NGOs with contributing equally in the welfare of society as well as development of India.



Rural Development Through Solar Street Lights



CSR Project for TUV SUD South Asia jointly with Chirag Rural Development Foundation

200 Solar Street Lights for the rural development of needy villages from Mulshi and Palghar, Maharashtra.

Villages and solar street lights covered under this project:

- 20 SSL's at Khechare, Mulshi
- 20 SSL's at Shere, Mulshi
- 20 SSL's at Bhambarde, Mulshi
- 60 SSL's at Kelthan, Palghar
- 80 SSL's at Sawade, Vikramgard

Impact of the project:

- a) Ease in walking during evening hours
- b) Reduced wild animal and snake attacks
- c) Security felt by females
- d) Reduction in stealing incidents
- f) Source of quality illumination during power cuts
- g) Feeling of security for children
- h) Reduction in Carbon Footprint

Capacity of 40 W * 200 Solar Street light = 8000 watts has been installed which will generate 11,680 units which will reduce 11,680 kW tons of carbon emission per year.
(8000 watts system * 4 peak hours = 32,000 watts per day).
(32,000 units per day * 365 days / 1000 = 11,680 units per year).



Sustainability Development Goals covered





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Rural Development Through Solar Street Lights



Helping lifesavers save lives.

CSR Project for SIRO Clinpharma Ltd jointly with Vishnushakti Foundation

50 Solar Street Lights for the rural development of needy villages from Bhiwandi, Maharashtra.

Villages and solar street lights covered under this project:

- 8 SSL's at Kunde, Bhiwandi
- 14 SSL's at Kundephata, Kunde
- 7 SSL's at Karmale, Kunde
- 7 SSL's at Ghadne, Kunde
- 14 SSL's at Ijari Pada, Kunde

Impact of the project:

- a) Ease in walking during evening hours
- b) Reduced wild animal and snake attacks
- c) Security felt by females
- d) Reduction in stealing incidents
- f) Source of quality illumination during power cuts
- g) Feeling of security for children
- h) Reduction in Carbon Footprint

Capacity of 40 W * 50 Solar Street light = 2000 watts has been installed which will generate 11,680 units which will reduce 2.92 tons of carbon emission per year. (2000 watts system * 4 peak hours = 8,000 watts per day). (8,000 units per day * 365 days / 1000 = 2,920 units per year). Approximately. **2.92 Tons of Carbon emission will be reduced.**



Sustainability Development Goals covered





Water Availability Through Solar Water Lifting System



Execution of Community Water Development Project for Chirag Rural Development Foundation

5 Hp Solar Water Pump for the community water need of villages Rajmachi, Lonavala.

10 Solar Street Lights for Rajmachi, Vanati & Phanasrai village

Solar water filtration system for Rajmachi for potable water.

Impact of the project:

- a) Availability of water for domestic purpose.
- b) Availability of water for drinking purpose
- c) Increment in the health index of village women
- d) More productive time with rural women
- f) Health index of village population will increase with availability of potable water
- g) Security at roads for villagers
- h) Reduction in Carbon Footprint

Rajmachi Fort (Killa) is one of the many historical forts in the rugged hills of Sahyadri mountains (Western Ghats). Udhewadi is a small village of about 60 households (as per 2011 census report) situated on the machi, at the southern foot of Manaranjan Balekilla of Rajmachi Fort. Village women was struggling for water after many years of independence but with this initiative Green India Initiative along with Chirag Rural Development Foundation now women from the village getting water ta their doorstep.



Sustainability Development Goals covered





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Potable Water Availability Through Solar Water Filtration System



Execution of Community Water Development Project for Chirag Rural Development Foundation

1 Hp Solar Water Pump for the community water need of villages Pargipada & Gurav Pada, Sawade. Solar Water Filtration for Pargipada, Sawade village for potable water.

Impact of the project:

- a) Availability of water for domestic purpose.
- b) Availability of water for drinking purpose
- c) Increment in the health index of village women
- d) More productive time with rural women
- e) Health index of village population will increase with availability of potable water
- f) Reduction in Carbon Footprint

Village women was struggling for water after many years of independence but with this initiative Green India Initiative along with Chirag Rural Development Foundation now women from the village getting water ta their doorstep.



Sustainability Development Goals covered





Electrification of Schools through Solar Off-Grid System



Execution of Corporate Social Responsibility Project of India Infoline Foundation

2 and 3 kW Solar Off-Grid System for **25 rural Zilla Parishad Schools** from Wada, Palghar for improving school infrastructure for constant power availability.

Impact of the project:

- a) Availability electricity for school
- b) Comfortable environments for teachers and students
- c) Utilization of e-learning
- f) Reduction in Carbon Footprint

Impact Calculations for 2 kW:

Generation of electricity: 2,275 units per years (7*325 days)

Saving on electricity: Rs. 16,000/- a year (Approx. Rs. 7/-)

Use of the energy by: Nearly 108 people

Co2 Reduction: 2.92 Tonnes (2,920/1000)

Approximate units per kW per day: 4 kWh

Assumptions

Reduction of CO2 emission per 1 kWh of solar power = 1 kg of Co2

Please note that the above calculation considers only the reduction in CO2 emissions for the electricity generated from a solar power plant



Sustainability Development Goals covered





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Electrification of Schools through Solar Off-Grid System

SCHAEFFLER

Execution of Corporate Social Responsibility Project of Schaeffler India Ltd

2 kW Solar Off-Grid System for 38 Rural Zilla Parishad Schools from Maval, Pune for improving school infrastructure for constant power availability.

Impact of the project:

- a) Availability electricity for school
- b) Comfortable environments for teachers and students
- c) Utilization of e-learning
- f) Reduction in Carbon Footprint

Impact Calculations for 2 kW:

Generation of electricity: 2,275 units per years (7*325 days)

Saving on electricity: Rs. 16,000/- a year (Approx. Rs. 7/-)

Co2 Reduction: 2.92 Tonnes (2,920/1000)

Approximate units per kW per day: 4 kWh

Assumptions

Reduction of CO2 emission per 1 kWh of solar power = 1 kg of Co2

Please note that the above calculation considers only the reduction in CO2 emissions for the electricity generated from a solar power plant



Sustainability Development Goals covered





Rural Development Through Solar Street Lights



CSR Project for TUV SUD South Asia jointly with Nirmiti Foundation

230 Solar Street Lights for the rural development of needy villages from Maval and Palghar, Maharashtra.

Villages and solar street lights covered under this project:

- 23 SSL's at Malipada, Palghar
- 17 SSL's at Nadgepada 1, Palghar
- 20 SSL's at Tilgaon, Palghar
- 40 SSL's at Devgoan, Palghar
- 25 SSL's at Kusavali, Maval
- 25 SSL's at Vahangaon, Maval
- 20 SSL's at Falne, Maval
- 20 SSL's at Mau, Maval
- 20 SSL's at Vadeshwar, Maval
- 20 SSL's at Mormarewadi, Maval

Impact of the project:

- a) Ease in walking during evening hours
- b) Reduced wild animal and snake attacks
- c) Security felt by females

Capacity of 50 W * 230 Solar Street light = 11500 watts has been installed which will generate 16,790 units which will reduce 16.79 kW tons of carbon emission per year.
(11500 watts system * 4 peak hours = 46,000 watts per day).
(46,000 units per day * 365 days / 1000 = 16,790 units per year).



Sustainability Development Goals covered





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Water Availability Through Solar Water Lifting System



Execution of Community Water Development Project for Chirag Rural Development Foundation

7.5 Hp Solar Water Pump for the community water need of villages Kalakrai, .

10 Solar Street Lights for Kalakarai village

Solar water filtration system for Kalakrai for potable water.

Impact of the project:

- a) Availability of water for domestic purpose.
- b) Availability of water for drinking purpose
- c) Increment in the health index of village women
- d) More productive time with rural women
- f) Health index of village population will increase with availability of potable water
- g) Security at roads for villagers
- h) Reduction in Carbon Footprint

For 350-odd residents of the village, tucked away amid rocky terrain in a valley some 80 km from Pune, life is a struggle. Trek a 5-km climb at the beginning of every month, just to pick up their rations is the situation of Kalakrai village in Maval.

While they have an electricity line servicing the village, power trips constantly in the monsoon and on windy days. families have to draw water from the well manually and carry it home.



Sustainability Development Goals covered





GREEN INDIA INITIATIVE
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Our Clientele



Mumbai Cuff Parade



Mumbai North Island



Mumbai Malabar Hill



Mumbai Sion



Bombay West



Bombay Uptown



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Energy | Earning | Environment

CIN: U74999MH2014PTC256867

Employees Solar Ambassador Program

Tata Communication & Goodera



EY GDS International & Goodera



IPG Dextra India Private Limited



Sustainability Development Goals





Our Network





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GREEN INDIA INITIATIVE
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What Green India Initiative Pvt. Ltd. Do?

Corporate Social Responsibility Projects

Team GIPL with the help of NGO executes the social projects based on Renewable Energy for Corporate / NGO's & Individuals.

Following are the social projects which we offer to Corporate for CSR:

a. GramEnergy - Education (Solar Home Lights & Solar Cooker)

Providing solar home lights & solar cooker for the education growth of underprivileged rural students under CSR of any corporate

b. GramEnergy - Education (Solar Off - Grid PV System)

Providing solar off - grid PV system for the electricity need of school premises so school can save on electricity bills and can contribute the same amount in the growth of the underprivileged students.

c. GramEnergy - Water (Solar Water Pump System)

Providing solar duel pump to fulfil water need of those villages which are suffering from drought. With the help of Solar Duel pump villagers will get ground water for various purposes without any additional cost to it. These Solar Duel Pump will be donated by various corporate and NGO's.

d. GramEnergy - Village (Solar Street Lights, Solar Off - Grid PV System, Solar Lighting System)

In this project we do solar electrification at rural residents to fulfil the energy requirement of villagers. We have included solar street lights, solar off - grid PV system, solar lighting system in this project. These projects also funded by corporate whose core purpose is rural development.

Commercial Project Execution

Team GIPL execute commercial electrification as per following:

a. Off grid solar

Solar PV Power Plants (with battery bank having 6 hours autonomy)

>300 Wp to 1 Kwp

>1 kWp to 10 kWp

>10 kWp to 100 kWp

b. Grid connected solar including rooftop solar PV projects

Solar PV Power Plants (Without Battery)

Up to 100 kWp

>100kWp to 500kWp

Micro Grid (DC) - Up to 10 kWp

Mini Grid - >10 to 250 kWp

c. Solar Street Lights for Bungalows and resorts.





Awards & Recognitions



Global Solar Energy Leadership Award 2015 (Mumbai)



Maharashtra Favourite Brand 2019 (Mumbai)



Young Social Entrepreneurship Award 2019 (Mumbai)



Greenpreneur Award - Rural Development, 2022 (Ahmedabad)



Time to Leap - MSME Social Entrepreneur 2022 (Delhi)



Think CSR Award 2020 - Social Enterprise (Mumbai)



Sustainable Champion 2021 (International Recognition)



Earth Champion 2021 (By Sony BBC Earth)





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THE SOLAR MAN
सौर मानव

The Director of the Green India Initiative, Mr. Sachin Shigwan, also known as The Solar Man of India, has articulated the Rural Electrification in 480 Villages at the TEDx BHIS Kanpur Platform.



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