Renewable Independent Power Producer (Re-IPP)
Developing 2GW of solar and wind power plants in India
A BS Group Company

PLG CLEAN ENERGY PROJECTS
Re-Energizing the Future

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About Us:

PLG Clean Energy Projects Private Limited (PLGCEP) is a Renewable Independent Power Producer (Re-IPP) aiming to make Renewable Energy an affordable source of energy worldwide. We build, operate and own solar power plants. PLGCEP is a Renewable Energy Startup focused on developing 2 GW of solar power plants by 2019. PLGCEP is a Group Co. of BS Group

BS Group is one of India’s largest power and infrastructure groups with business interests in Renewable Energy, Transmission and Distribution (T&D) EPC, Turnkey BOOT Projects, Tower Manufacturing Facility of 240,000 MT (India’s largest capacity at one single location) and Backward Integrated Structural Mill with 120,000 MT capacity. BS Group’s consolidated annual revenues for the last five financial years are in excess of $2 billion or INR 13,160 Crores.

Trackrecord:

PLGCEP developed India’s first 20 MW solar power plant – a dedication to the nation at Patan, Gujarat with an investment of INR 340 Crores ($ 65 million then in Dec 2011). PLGCEP exited the investment and successfully sold the 20 MW solar power plant asset to Zamil Group – a $ 5 billion conglomerate.

Our Strategy:

PLGCEP believes that the way forward is Strategic Partnerships for Sustainable Growth. Our Strategy is to form strategic global alliances and partnerships and these small steps will be a huge leap for renewable energy.

Developing a pipeline of Wind Power Projects of 650 MW by 2020

Vision to develop 5 GW by 2025

WIND POWER GENERATOR

Wind Energy is Bankable, Scalable, Affordable and Viable Energy

Developing India’s largest pipeline of Solar Power Projects of 2 GW

245 MW Solar Project Licenses Awarded under Transparent Reverse Bidding Mechanism in Jan-March 2016

600 MW Solar Projects under Bid Stage currently

SOLAR POWER GENERATOR
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Roadmap of Projects:
PLGCEP is committed to develop 2 GW of solar power plants by 2019. PLGCEP has Won and Secured 170 MW Solar Power Plant Project Licenses under disruptive reverse bidding mechanism of Govt. of India. These 170 MW solar power plants are investment opportunities of INR 1139 Crores ($ 170 million) securing low-volatile, fixed, annuity revenue of almost $ 0.750 billion over 25 years.

170MW Solar Power Plants

70 MW Solar Power Plant – Maharashtra
Policy: Under Solar Energy Corporation of India (SECI) Policy, a Govt. of India Undertaking (under Ministry of Power and MNRE)
Tariff: INR 4.43 KwHr ($0.065) for period of 25 years + Viability Gap Funding (VGF) of INR 54 Lacs ($80,000) per MW
Generation: 119 Million Units of Green and Clean Power annually
Sustainable Energy for all: Electrification for 60,000 households annually
Reduction of Carbon Emissions by 90 MT annually

100 MW Solar Power Plant – Jharkhand
Tariff: INR 5.42 KwHr ($0.08) for period of 25 years
Generation: 170 Million Units of Green and Clean Power Annually
Sustainable Energy for all: Electrification for 86,000 households annually
Reduction of Carbon Emissions by 130 MT annually

600 MW Solar Power Plants – Under Bid Stage currently. Investment Opportunity of INR 4,030 Crores ($ 600 Million)

100 GW India’s planned Solar Power Target by 2020

100% Foreign Direct Investment is Permitted

SUN is the cleanest source of energy to our plant
Solar Power is the purest form of clean and green energy
Our Responsibility & Our Ambition:
PLGCEP is committed to generate **5000 MW (5 GW)** of Renewable Energy by **2022** which will lead to Generation of **10 Billion** Units of Renewable Energy annually for India, which will provide Clean and Affordable Power to **10 Million** Indian Households annually and which will Save **8.5 MT** of Carbon Emissions annually for the world. PLGCEP is committed to substantially contribute to India’s vision of meeting **100%** of its Energy Requirements through Renewable Energy Sources in the next **50** years. India receives abundant sunshine and can meet its entire energy requirements by developing cost effective, sustainable, affordable, scalable, utility scale Ultra MW solar power plants and wind power plants over the next five decades. Sun is the cleanest source of energy known to our planet and we shall harness this purest form of energy known to mankind and re-energize the future energy outlook of India.
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LEADERSHIP TEAM:

Rajesh Agarwal is the Chairman and Managing Director of PLGCEP and Chairman of BS Group. Rajesh is the majority investor and owner of PLGCEP. Rajesh is a visionary and is committed to develop, own and operate 5 GW of solar power and wind power plants in India. Rajesh is very passionate about clean tech and sustainable energy. Rajesh is the Chairman of BS Ltd (BSE and NSE Listed entity of BS Group) where he holds 70% of the Shares. BS Group is an Integrated Power Conglomerate with business interests in Renewable Energy (Generation and EPC), Power Transmission and Distribution (T&D) EPC, Tower Manufacturing, Turnkey EPC and Railway Electrification. BS Ltd has shown stellar financial performances over the years. BS Ltd achieved annual revenues exceeding INR 13,160 Crores ($2 billion) over the last five financial years including FY 16. Rajesh is a graduate of Osmania University. Rajesh is a member of FICCI, CII and YPO and has been an active speaker at Energy Conferences in India and across the globe.

Kiran Patil is the Managing Director of PLGCEP. Kiran has 23 years of experience in the renewable energy sector, manufacturing and project management. Prior to PLGCEP, Kiran was the Managing Director and Country Head of Ecolutions India which was a subsidiary of Ecolutions GmbH (a leading renewable energy fund headquartered in Germany). Kiran was instrumental in analyzing 100+ solar and wind power plant investments and transactions. Kiran is an alumnus of Asian Institute of Management (Manila, Philippines). Kiran has versatile graduate degrees as BE. Chemical, LLB and ICWA. Kiran is pursuing his PhD in Power Sector from NMIMS, Mumbai. Kiran has excellent relationships with global renewable energy companies and has been an active speaker at various renewable energy seminars and conferences. Kiran is committed to lead PLGCEP as India’s largest developer of renewable energy projects.

Punit K Goyal is the Chief Executive Officer of PLGCEP. Punit is a Renewable Tech Professional. Punit had set up India’s 1st 20 MW solar power plant with an investment of INR 340 Crores ($ 65 million then in 2011) and successfully exited the investment and sold the solar power plant asset to Zamil Group – a $ 5 billion Saudi conglomerate. Punit is very passionate about Sustainable Energy and Sustainable Transportation and has made several angel investments across startups in this space. Punit has more than 10 years of renewable energy experience. Prior to PLGCEP, Punit has lead investments in 25 MW solar photovoltaic panels manufacturing and 20 MW solar power generation. Punit is the Industry Lead for CII Renewable Energy Startups. Punit is an alumnus of London School of Economics (Finance), Aston Business School (Int’l Business), Harvard Business School (PLD Class of 2010). Punit has been selected for the General Management Program at Stanford Graduate School of Business, Class of 2017.
2 GW Solar Power Plants with planned investments of INR 13,600 Crores ($ 2 Billion)

PLGCEP is committed to develop 2GW of solar power plants over 2016 to 2019. PLGCEP has won and secured 170 MW solar power plant licenses in Jan and Feb 2016 and has lined up planned bids of 600 MW in the next quarter. PLGCEP aims to win 1 GW of solar power plant approvals and licenses by Dec 2016 and is raising equity investments to the tune of $ 500 million to fuel the planned renewable energy growth.
Target Market: INDIA

India is one of the biggest markets for Renewable Energy in the World. India has the highest levels of irradiance needed for Solar Power generation coupled with India’s continuously growing energy needs – this makes it the most attractive market in the world for solar power generation. PLGCEP is committed to develop 2 GW of solar power plants between 2016 to 2019 and has successfully won and secured 170 MW solar power plant licenses in Jan –Feb 2016 under transparent reverse bidding mechanism instituted by Govt. of India. PLGCEP is further bidding for 600 MW solar power plant licenses in the next quarter. Indian market is competitive, challenging – but is the largest market for renewable energy in the time to come. Govt. of India has a planned target to oversee development of 100GW of solar power plants by 2022. 100% Foreign Direct Investments are permitted under automatic route for renewable energy.

India today is one of the largest markets for Renewable Energy.

In 5 Years India will be the Largest Market for Renewable Energy in the World.

India – home to 18% of the world’s population, uses only 6% of the world’s primary energy. India’s energy consumption has almost doubled since 2000 and the potential for further rapid growth is enormous. India’s economy already the world’s third –largest is growing rapidly. Policy makers at National and State levels are intensifying their efforts to ensure that energy is a spur, rather a hindrance to India’s advancement and efforts are being made to provide energy for all under current Govt.’s vibrant initiatives.

Meeting India’s energy needs requires a huge commitment of capital – India requires a cumulative $2.8 trillion investment in energy supply by 2040. Renewable Energy generation will play a huge role fueling India’s economic growth and making India self-sustainable for its energy requirements. PLGCEP is committed to develop solar and wind power plants and be a part of India’s economic growth.
According to Intergovernmental Panel on Climate Change, most of the world’s electricity can – and must – be produced by low – carbon sources by 2050. The panel said that renewables needed to grow from a 30% share today globally to 80% of the power generation by 2050, with fossil fuel energy without carbon capture and storage technology phased out by 2100. PLGCEP is committed to contribute to the clean energy revolution with planned investments of $2 billion in the next 3 years and targets to double the investment in 2019.

India has a substantial solar potential, estimated to be 750GW – based on the assumption that 3% of wasteland in each state in India can be used for Solar Power Projects. This represents almost 3X of India’s total installed capacity for power generation today. Solar Power is at the heart of India’s push towards low carbon – energy resources.
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The SUN

Surface Area covered with Solar Panels required to power India: 1%
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INDIA’S VISION 2022
100 GW Solar Power Generation
60 GW Wind Power Generation
PLGCEP is committed to sustainable power generation. PLGCEP is focused on developing 2GW of solar power plants between 2016 – 2019. PLGCEP will supply #170MW of Solar Power to Govt of India at a cost competitive with fossil fuels. PLGCEP developed, financed, engineered, constructed, and operated the 1st 20 MW Solar Power Plant in India – a dedication to the Nation with an investment of $65 million in 2011. PLGCEP has planned to invest $2 billion over the next four years.

170 MW PLGCEP is developing 170 MW of solar power plants under IPP mode at Maharashtra (70 MW), Jharkhand (100 MW) between May 2016 to March 2017
1020 Acres will be used to build 170 MW solar power plants
1400 Jobs will be created during the construction
680,000 solar panels will be installed during construction
150,000 households will get access to sustainable power annually
289 Million units of clean energy will be generated annually
220MT of Carbon Emissions will be reduced annually
$0.008 KwHr Solar Power will be sold at Fossil Fuel Power Rates
25 Years Clean & Affordable Energy will be supplied to Govt of India
30,000 Equivalent number of cars will be removed from the road

Power Purchase Agreements & Permits: Project Development is essential to creating valuable power plant assets and includes activities prior to construction, such as securing a power purchase agreement (PPA), establishing site control, project permitting and project financing.
One of India’s largest Solar Pipelines We are developing one of India’s largest solar project pipelines of 2GW within 2016 – 2019
Procurement & Construction Management PLGCEP has developed world – class procurement and construction management capabilities. As of the largest buyer of utility scale PV power electronics, our global supply chain network has strong purchasing power and ensures the timely delivery of solar panels and balance of system components to construction sites.
Plant Design & Engineering We design power plants to maximize energy output. Every project is different. Project specific factors such as the local irradiance, weather, soil, wind and topography is taken into account for design, layout, technology selection and system configuration
Project Finance PLGCEP firmly believes that sustainable finance is needed to develop sustainable solar power plants. PLGCEP has planned to invest $ 2 billion over the next three to four years by obtaining low – cost financing