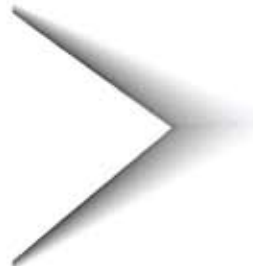




Seamless support for end-to-end solar solutions under one roof.

In an era of growing energy needs and rising concerns about the environment, Su-Kam offers a wide portfolio of solar products range from 100 watts to 100 MW. This extensive range is suitable for the smallest residential home systems as also multi-megawatt power plants.



Solar Solutions

- Roof Top-On Grid and Off Grid Solutions
- Home Lighting Solution from 5 watt to 100 watt
- DC Home Lighting Solutions

Projects

Off-Grid

- Uttar Pradesh New Energy Development Agency
- Tripura Renewable Energy Development Agency
- Tamil Nadu Energy Development Agency
- GATES Institute of Technology
- Assam State Electricity Board
- Assam Rifles

On-Grid

- National Hydroelectric Power Corporation (NHPC)
- National Institute of Teacher's & Training Research
- CREST (Punjab Engineering College)
- Engineers India Limited

Su-Kam
Ek nayi soch

www.su-kam.com
Toll Free No. 1800-102-4423

GURGAON HANDBOOK ON SOLAR

**A Handbook on Solar Overview of India,
Haryana Solar Policies, Central and State Entities in Solar,
Solar Market Players and Key Stakeholders of Gurgaon**



GURGAON FIRST

RECHARGE REFLECT RESOLVE

Tel: 0124-4384669

Website: www.gurgaonfirst.org

Gurgaon HandBook on Solar (Edition 2015-16)

© Gurgaon First

Price: Rs 500

Published by:

Gurgaon First

5407, Lotus Lane

DLF Phase IV

Gurgaon 122002

Tel.: +0124-4384669

E-mail: teamgurgaonfirst@gmail.com

Website: www.gurgaonfirst.com

Designed and Printed by:

Print Process

Email: printprocess@rediffmail.com

Tel.: 8447916819



GENSOL



Solar Power Plants

Gensol is a leading solar project builder & has a significant market share in the Indian market, having received orders from Kenya & Sri Lanka recently. Our core DNA is that of Engineering & Project Management and we have a team of 60 motivated engineers who with speed & quality deliver on projects.



EPC Services for Roof Top Solar

Providing Complete Concept to Commissioning Solutions for Roof Top Solar Power Plants. Gensol is a one point stop for all your solar power needs.

- Presence in 16 states
- 12+ MW Solar Power Projects installed / under execution
- Recipient of multiple awards including BusinessWorld Hottest Young Entrepreneur and Economic Times Power of Ideas.

Ahmedabad | Gurgaon

We are geared to meet your statutory requirements to install Roof Top Solar Plants under Haryana Govt Mandatory Policy for Solar Power



Services offered from our Gurgaon Regional office located at:

Unit 31, Ground Floor, Augusta Point, Golf Course Road,
Sector 53, Gurgaon 122011.

Ph: 0124-124-4281621 M: +91 98187 00211, +91 98118 00243



77 kW Solar Rooftop project at Suncity School, Gurgaon, Haryana



500 kW Carport project at Medanta Medicity, Gurgaon, Haryana



100 kW Solar Rooftop project at VVIT, Guntur, Andhra Pradesh



200 kW Solar Rooftop project at Vishnu, Bhimavaram, Andhra Pradesh



192 kW Solar Rooftop project at IIT Kanpur, Uttar Pradesh



SMART GRID



Empowering nation with
Smart Solutions

POWER GRID CORPORATION OF INDIA LIMITED

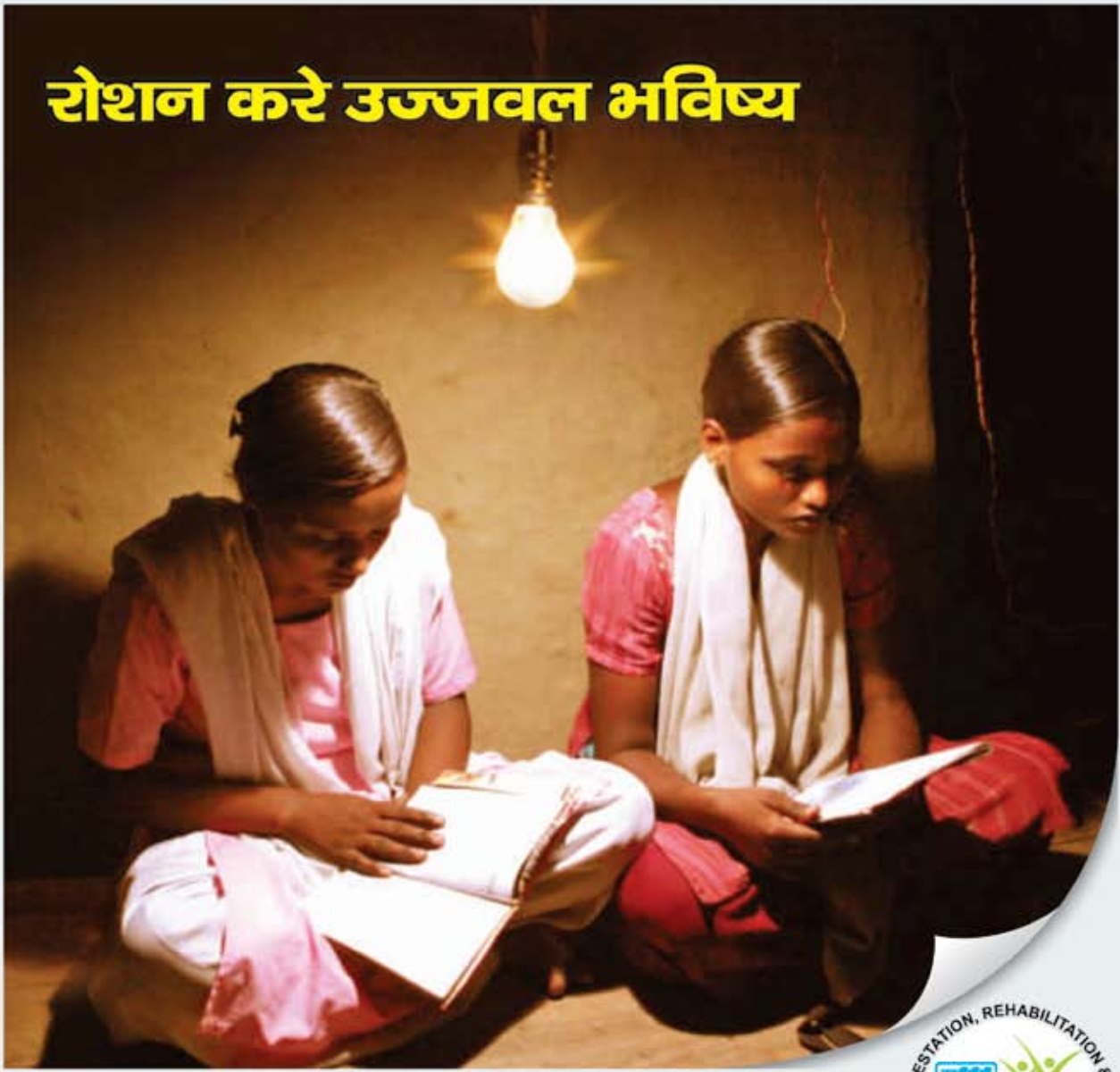
(A Government of India Enterprise)

Corporate Office: Plot No.2, Sector-29, Gurgaon (Haryana) <http://www.powergridindia.com>

CONTENTS

Preface	vii
Solar Overview of India	11
Guest Columns	39
A Case for Solar Rooftops	41
Central and State Entities	53
Potential Sellers – The Solar Market	61
Overview	62
Solar PV: Manufacturers	63
Solar PV: Project Developers.....	68
Solar PV: EPC/System Integrators	70
Solar Water Heaters.....	75
Solar LED Lights	79
Solar Lanterns.....	81
Solar Cookers	83
Solar Inverters.....	85
Solar Finance Players.....	88
Potential Buyers – Key Stakeholders of Gurgaon	91
Overview	92
Authorities in Gurgaon	93
Citizen Groups in Gurgaon.....	96
RWAs in Gurgaon	98
NGOs in Gurgaon	101
Industrial and Other Associations.....	104
Schools in Gurgaon.....	110
Colleges/Other Institutions in Gurgaon	112
Hospitals in Gurgaon.....	114
Hotels in Gurgaon	115
Commercial Hubs & Malls in Gurgaon	116

रोशन करे उज्जवल भविष्य



belconfluence



सिर्फ विद्युत उत्पादन ही नहीं, हम जीवन को भी सशक्त बनाते हैं

अपने नैगम सामाजिक उत्तरदायित्व के तहत परियोजना के आसपास के इलाकों का सामाजिक व आर्थिक विकास हमारी प्राथमिकता है। इसके तहत हम परियोजना और इसके आसपास आधारभूत संरचनाओं का विकास जैसे सड़क निर्माण, जल निकासी, सार्वजनिक शौचालय, स्वास्थ्य सेवाएँ, स्कूलों का निर्माण, विद्युतिकरण आदि के साथ-साथ स्थानीय लोगों की आजीविका वृद्धि हेतु निपुणता बढ़ाने जैसे कार्यकलाप करते हैं।

हम पर्यावरण अनुकूल व सामाजिक दृष्टि से दीर्घकालिक तरीकों द्वारा विद्युत उत्पादन के लिए प्रतिबद्ध हैं। हम हर परियोजना के नियोजन से पूर्व पर्यावरण पर उसके प्रभाव का तत्परता से आकलन करते हैं। इस आकलन (ईआईए) के आधार पर हम पर्यावरण प्रबंधन योजना बनाकर उसे परियोजना के क्षेत्र में लागू करते हैं ताकि नई परियोजना के किसी भी दुष्प्रभाव को रोका या कम किया जा सके।

पुनर्स्थापन व पुनर्वास | आधारभूत संरचना का विकास | पेयजल | स्वास्थ्य सेवाएँ |
विद्युतिकरण | शिक्षा | निपुणता वृद्धि | आईटीआई कोर्स | वनीकरण | राख का पुनर्प्रयोग



एनटीपीसी भवन, कोर-7, स्कॉप कॉम्प्लैक्स, इंस्टिट्यूशनल एरिया, लोधी रोड, नई दिल्ली-110003, भारत
कृपया वेबसाइट देखें: www.ntpc.co.in

PREFACE

The team at Gurgaon First is delighted to bring to you “**Gurgaon Handbook on Solar**”. Gurgaon is one of the fastest growing cities of India. It truly deserves high quality research and information databases. Solar is a sunrise industry and Gurgaon can contribute a lot towards solar power, especially by way of solar rooftops. Besides, adopting solar is one big step towards a cleaner, greener and sustainable Gurgaon.

Both the central and the state governments are encouraging growth of solar through policies and subsidies. It is important that potential users and adopters of solar have access to information that equips them to take the right decisions based on their need and requirement.

The Handbook attempts to provide an overview of solar power in India and Haryana, describe the various state policies, list out the market structure/players as well as help identify potential users and stakeholders in Gurgaon. It has four main sections 1) Solar Overview 2) Central and State Entities 3) Potential Sellers and 4) Potential Buyers.

We would like to thank our advertisers, our knowledge partners Emergent Ventures India and Great Lakes Institute of Management, Gurgaon as well as all those who have given valuable suggestions and shared information to make this handbook possible.

We hope the Handbook facilitates the adoption of solar in Gurgaon.

Team
Gurgaon First

Low electricity bills are now a reality..

Be SunSmart. Choose Jakson



PV Modules 3-300 Wp



Solar Home RO System



Solar Outdoor RO System



Solar Generators



Solar Home Lighting Systems Model-I



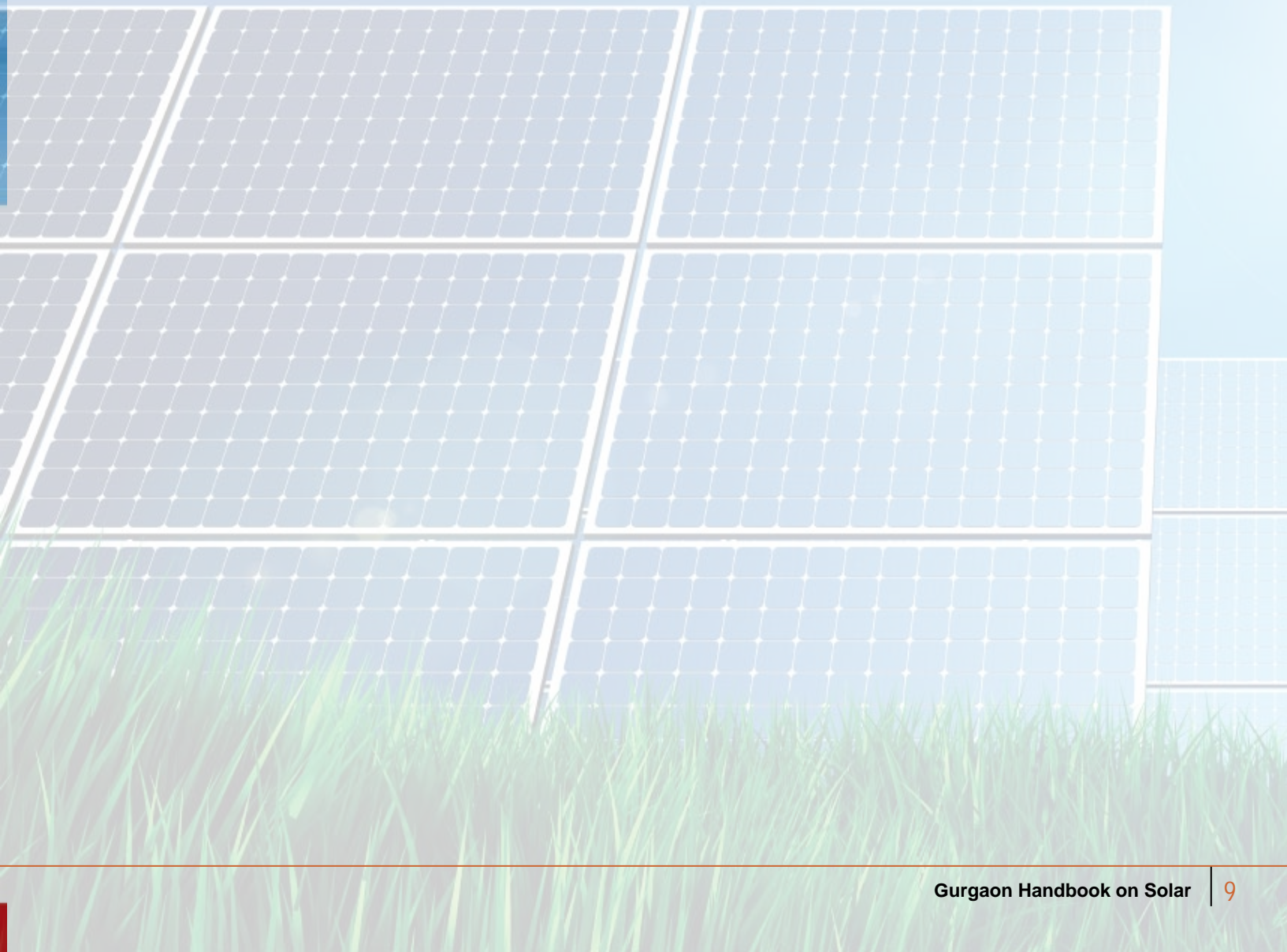
Solar Home Lighting Systems Model-II

- 1-4 kW variants available
- Plug-and-play convenience
- Clean & Reliable power
- Minimal set-up-time & maintenance

- Reliable power for homes & shops
- Powers all home appliances
- Models available in 150 & 250Wp

- Reliable power for offgrid applications
- 10hrs. battery backup
- Low operating cost & easy installation
- Standard models available in 40 & 100Wp

SOLAR OVERVIEW



VS Saurya EnerTech Pvt. Ltd. is an ISO: 9001-2008 certified company, incorporated in 2009. The company is promoted by technologists from prestigious IIT's to provide services and products in the area of Solar and clean technologies. Saurya EnerTech aims to deploy and maintain high quality engineering solutions using solar for India's energy needs. Since its inception, Saurya has established its name for high quality work.

Saurya EnerTech has a team of solar experts from academia, government and industry handling advisory, consulting and engineering services for solar projects. Saurya EnerTech is the definitive solartechology expert of India. Saurya's core team has experience of over **300 MW** in SOLAR EPC.

28
Years

Of experience of
our core team

300 MW

Solar EPC experience by
our team

Saurya has strategic tie-up with Geo-Model, Slovakia, which builds on 25 years of expertise in geo-informatics and environmental modeling, and 14 years in solar energy and photovoltaic for solar Geo-intelligence. Saurya also has a tie-up with Sonnen of Germany for high quality engineering design.

Our services include:

- ✓ Roof-top Solar Projects
- ✓ Industrial PV & Thermal Projects
- ✓ EPC Solar Projects
- ✓ Consultation on MW Solar Projects
- ✓ Solar Street Lighting
- ✓ Solar Water Heaters
- ✓ Solar Water Purification Systems
- ✓ Training & Workshop.



Key Clients



SOLAR SCENARIO OF INDIA

“I’d put my money on the sun and solar energy. What a source of power! I hope we don’t have to wait until oil and coal run out before we tackle that”

- Thomas Edison, 1931

India is one of the fastest developing economies in the world and for a growing economy like India, energy is understandably one of the most crucial driver both for industrial growth and growing consumption needs on account of rapid urbanisation. Factors like economic growth, increasing prosperity and urbanisation, rise in per capita consumption, and spread of energy access has increased the overall demand for energy. As per the latest BP Energy Outlook 2035, India is likely to surpass China as the largest source of energy demand growth in the world. There is a need to augment energy supplies keeping in mind the nation’s energy security apparatus amidst the thrust to reduce aggregate carbon footprints.

India is endowed with 300 clear sunny days in a year. Its theoretical solar power reception, on its land area, is about 5,000 trillion kWh per year. The daily average solar energy incident over India varies from 4 to 7 kWh/m² with about 1,500-2,000 sunshine hours per year (depending upon the location). On a clear day at noon, one gets about 1kW/m². Grid power rates are increasing on an average by 6 to 10 per cent on a year-on-year basis as a repercussion of rising coal prices. On the other hand, DG sets are uneconomical even with subsidized diesel, supplying power at a cost of Rs 14-16 per unit besides being polluting.

Solar energy is fast becoming a feasible and economically reliable alternative source of energy.

In the backdrop of challenges of fossil fuel resources, mandate of reducing adverse impacts on environment, and burgeoning electricity demand, solar energy is fast becoming a feasible and economically reliable alternative source of energy. It saves both coal and water, and prevents carbon emission and environmental degradation.



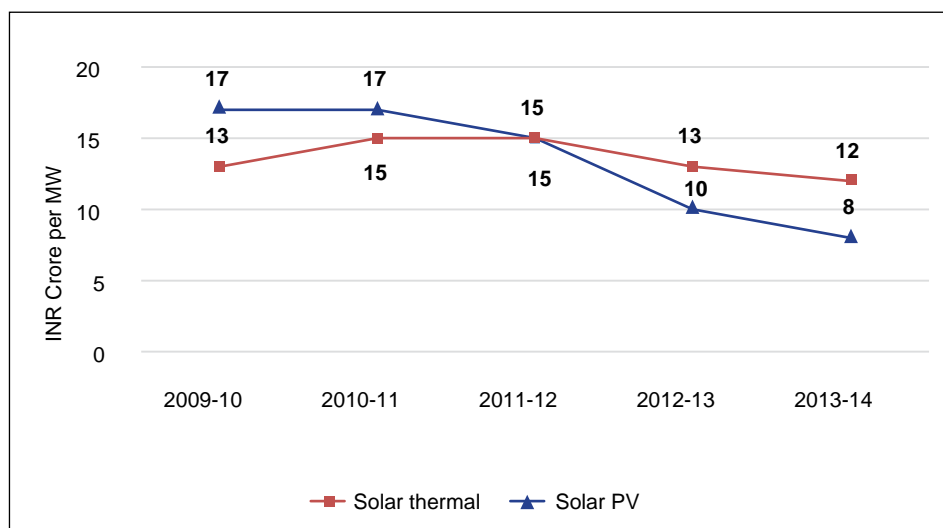
Apart from availability of resources, and affordability of the technology, it also eliminates transmission costs and losses. The technological advancements have made it complementary to both grid and DG sets, reducing the pressure on the grid and minimizing the voltage drops. It also allows the usage of idle rooftops and grounds productively.

The nation had earlier set a roadmap of being a 20,000 MW solar capacity country by 2022. It has revised this target to 100,000 MW that includes 40,000 MW from rooftop solar. As of August 2014, the installed solar capacity stood at 3,000 MW, of which 2,800 MW was grid connected and 200 MW of rooftop solar projects. More than a dozen states have notified solar policies and almost all states have defined solar purchase obligations. Solar roof-top programmes have been kick-started in many states and net metering is also being implemented.

In our opinion, although ambitious, the solar target is quite achievable. While the governments, both at central and state levels, are setting their policy priorities on track, falling solar equipment prices and improving efficiencies on account of technological breakthrough make the task less arduous. The capital cost per MW for solar PV projects has fallen by more than 50 per cent in the last five years and by around 80 per cent in last ten years. This has resulted in the average solar tariff rates falling from Rs 15 per kWh to Rs 8.0 per kWh between 2009-10 and 2013-14.

The central government's flagship solar programme, the **Jawaharlal Nehru National Solar Mission (JNNSM)** was launched in 2009. Its Phase I is already over and increased the grid connected solar energy market from 17.8 MW in 2010 to 1,044 MW in August 2012. The Phase II of the programme now under way, is targeting the addition of 10 GW utility scale and 1 GW off-grid solar power projects by 2017. The Ministry of New and Renewable Energy has further released a scheme for developing **solar parks** and **ultra-mega solar power** projects between 2014-15 and 2018-19. The scheme intends to set up 25 solar parks with more than 500 MW capacities each. Besides, five ultra mega solar projects are also being attempted by the MNRE.

The capital cost per MW for solar PV projects has fallen by more than 50 per cent in the last five years.



REDUCING COST OF SOLAR PV AND SOLAR THERMAL

Source: CRISIL

The right solution for Photovoltaic Power Systems.

More than 650 MW PV projects already equipped with Bonfiglioli Inverters in India.



As one of the world's leading players in clean energy today, Bonfiglioli has the innovative know-how and technical capacity to bring medium-large and utility-scale PV installations to life.

Bonfiglioli designs and manufactures a wide range of hi-tech power conversion systems up to 3 MW turnkey solutions inside the Bonfiglioli Vectron center of excellence in Germany, ensuring an optimal return of investment.

In-depth understanding of markets dynamics, 17 commercial subsidiaries, four photovoltaic production centers on three continents and a wide range of inverters, make Bonfiglioli a long-standing and riskless industry player for photovoltaic field developments anywhere in the world.

The future is bright with Bonfiglioli!

Bonfiglioli Renewable Power Conversion India (P) Ltd

No. 543, 14th Cross, 4th Phase, Peenya Industrial Area, Bangalore - 560 058

Ph: +91 80 2836 1014/2836 1015 • Fax: +91 80 2836 1016

www.bonfiglioli.in • brpci@bonfiglioli.com

www.bonfiglioli.com

 **Bonfiglioli**
power, control and green solutions

STATE WISE ESTIMATED SOLAR POWER POTENTIAL [in GWp]

STATE	SOLAR POTENTIAL (GWp)	STATE	SOLAR POTENTIAL (GWp)	STATE	SOLAR POTENTIAL (GWp)
Andhra Pradesh	38.44	Jharkhand	18.18	Rajasthan	142.31
Arunachal Pradesh	8.65	Karnataka	24.70	Sikkim	4.94
Assam	13.76	Kerala	6.11	Tamil Nadu	17.67
Bihar	11.20	Madhya Pradesh	61.66	Telangana	20.41
Chhattisgarh	18.27	Maharashtra	64.32	Tripura	2.08
Delhi	2.05	Manipur	10.63	Uttar Pradesh	22.83
Goa	0.88	Meghalaya	5.86	Uttarakhand	16.80
Gujarat	35.77	Mizoram	9.09	West Bengal	6.26
Haryana	4.56	Nagaland	7.29	UT	0.79
Himachal Pradesh	33.84	Orissa	25.78	Total	748.98
Jammu & Kashmir	111.05	Punjab	2.81		

Source: National Institute of Solar Energy

Launched in 2009, “**solar cities**” programme, while initially slow and tardy, is now pacing up. The key impediment to project progress, funds for the projects have been granted to city’s municipal corporations and state nodal agencies, to take up solar projects. MNRE has also launched a “**remote village electrification**” programme in 2011 comprising central assistance upto 90 per cent cost of mini/micro grid systems and limited to 30 per cent funding of stand-alone lighting systems.

While there is an attempt towards executing larger grid-connected projects, especially under JNNSM (largest operational solar project is 151 MW in Madhya Pradesh); there is also a growing trend towards developing the smaller rooftop solar as well as captive projects. Solar power generating companies can gain revenues by selling an

GROWTH IN INSTALLED SOLAR ENERGY CAPACITY IN INDIA

Renewable energy Programme / Systems	Cumulative Achievement up to December 2012	Cumulative Achievement up to December 2013	Cumulative Achievement up to December 2015
Grid-interactive capacity (MW)			
Solar	1686.00	2,647.00	3382.78
Off-gride/Captive Power capacity (MWEQ)			
Solar Photovoltaic systems (1kw)	124.70	174.00	227.12
Solar water heating collector (Square meter)	7.00	8.10	8.76

Source: Ministry of New and Renewable Energy

It's **EASIER** than you **THINK...**



When you think about solar, you may envision an expensive system. But picture this:

Zero Upfront Solargy pays in full for the solar plant on your rooftop

Savings from Day One You buy the solar power at a tariff lower than utility's

No Hidden Cost You pay only for the power actually delivered

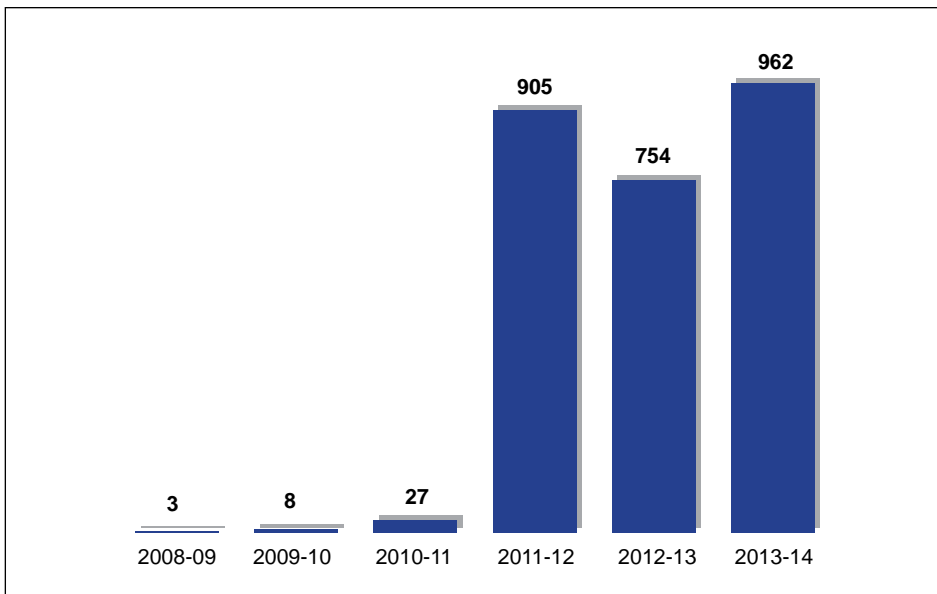
Aligned Interest We deploy the best technology to maximize production



Solargy Systems Pvt. Ltd.

507, 5th Floor, Big Benn OKAY Plus Tower
New Sanganer Road, Jaipur – 302 019
Ph: +91 141 2972233; +91 95711 85728
Email: info@solargyhome.com





YEAR WISE INSTALLATION - SOLAR POWER (in MW)

Source: Ministry of New and Renewable Energy

equivalent amount of renewable energy certificates (RECs) in the market. As per the National Tariff Policy amendment in 2011, a solar purchase obligation was set that requires 0.25 per cent of electricity needs be met by solar power in 2012, with a 0.25 per cent increase every year attaining up to 3 per cent by 2020. States have notified regulations on the renewable purchase obligation (RPOs).

The solar market comprises primarily of solar photovoltaic, solar thermal and solar lighting. Solar photovoltaic (PV) panels allow direct conversion of sunlight into electricity. In solar thermal, or concentrated solar power (CSP), solar radiation is collected as heat using mirrors to concentrate light on to absorbing tubes or towers. The PV segment has over 1,000 MW of projects under JNNSM, state solar policy, etc. There are over 100 developers in this segment operating projects across most states. There is also a growing demand for solar thermal applications or CSP such as heating and cooking food in canteens, hostels, hotels and hospitals. Solar lighting includes solar LEDs and solar lanterns.

The solar industry comprise of diverse stakeholders. It includes government and policy-setting agencies, utilities, regulatory commissions, central and state nodal agencies, funding agencies, solar companies and finally the consumer. The central and state government's role is to ensure policy framework for development of electricity sector. They also have an onus for promoting clean energy and providing energy to all. Electricity utilities include transmission and distribution companies provide grid network and interconnections. Besides, generation of solar power at consumer premises also impact's the utilities revenue. Regulatory commissions at the central and state level provide regulatory support to promote solar energy. State nodal agencies ensure implementation of solar policies. Solar equipment manufacturers produce the right quality and sufficient quantity of equipment while the Equipment Procurement and Construction (EPC) players ensure project development, after sales service and Annual Maintenance Contract services. Finally, the consumer is concerned about the techno-commercial aspects reflecting in benefits from the product, in terms of reduced electricity bills and clean power.

The solar market comprises primarily of solar photovoltaic, solar thermal and solar lighting.



The last couple of years have witnessed solar project delays. Some of the issues have been regulatory issues, land acquisition issues, and power purchase agreement (PPA) bankability issues. There has also been uncertainty regarding enforcement of RPOs. However, the current government is determined to push solar. It is encouraging solar parks, ultra-mega solar projects as well as canal-top projects. It is also revising the RPO target from 3 per cent to 10.5 per cent. All this augurs well for the solar industry.

HARYANA ELECTRICITY OVERVIEW AND SOLAR LANDSCAPE

The overall solar potential of Haryana is estimated to be 4.5 GW.

After the restructuring of the erstwhile Haryana State Electricity Board, Haryana's power sector comprises of five different entities. Haryana Power Generation Corporation Limited (HPGCL) is for the generation of power while Haryana Vidyut Prasaran Nigam Limited (HVPNL) is for transmission. Two distribution companies supply power to the state. The north of Haryana (Panchkula, Ambala, Jajjar, Kurukshetra, Yamunanagar, Kaithal, Karnal, Panipat, Sonapat, Rohtak and Jind) is supplied electricity by Uttar Haryana Bijli Vitran Nigam (UHBVNL) while the South of Haryana (Hisar, Bhiwani, Sirsa, Faridabad, Gurgaon and Narnaul districts of Haryana) is supplied electricity by Dakshin Haryana Bijli Vitaran Nigam Limited (DHBVNL).

Haryana has an average demand of 4,500 MW-5,500 MW of power, which goes up to 9,000 MW during peak hours in summer and post-monsoon months. The annual energy consumption of the power utilities for Haryana is 36,000 MU from conventional energy sources. The projected consumption is likely to grow by 8 to 10 per cent each year and be 73,838 MU by 2022. With this burgeoning energy requirement, it is necessary to include renewable energy sources into the energy mix of the state.

The overall solar potential of Haryana is estimated to be 4.5 GW. Haryana has had a slow start in solar compared to states such as Gujarat. Haryana's solar initiatives are spearheaded by Haryana Renewable Energy Development Agency (HAREDA). The state of Haryana is endowed with high intensity solar radiation for 320 days in a year. However, the current solar power installed capacity is a meagre 12.8 MW through nine projects under the Roof-top PV & Small Solar Power Generation (RPSSPG) scheme of JNNSM Phase I.

RENEWABLE POWER CAPACITY ADDITION IN HARYANA

Source	Potential	Cumulative Achievements (MW)	Under Execution Projects (MW)
Biomass Power	1000 MW	23.40	-
Biomass Cogen		36.11	10.75
Biomass Gasifier		3.74	-
Bagasse Cogen	100-150 MW	60.00	25.00
Small Hydro	90 MW	73.30	10.90
Biogas based	-	04.14	-
Solar	5.5 Kwh to 6.5 Kwh/sq. m	12.80	5.00
TOTAL		213.79	51.65

Source: HAREDA

...Feel the power of the sun

Power Gurgaon.

Empower Haryana.

Empower India.



Zero Bills

No Power Cuts

25 Years of Free Electricity

100% Eco Friendly Energy

Go Solar With Rural Agri Ventures!

For Free Consultation and Quote: Kindly Call 0124-6565311

Rural Agri Ventures India Pvt. Ltd.

122, 1st Floor, Vipul Agora, M. G. Road, Gurgaon, Haryana - 122002
Email: saikat@ruralagriventures.com | www.ruralagriventures.com

SPV ROOFTOP PROGRAMME IN HARYANA

Site	Capacity	Site	Capacity
Omax Auto Ltd., Manesar	100 KW	Suncity Township, Rewari	30 KW
Omax Auto Ltd., Dharuhera	100 KW	Megasoft Solutions (I) Pvt. Ltd., Gurgaon	35 KW
The Retreat, TERI, Gurgaon	50 KW	HAMETI, Jind	5.0 KW
HAREDA Office Building	42.5 KW	BDPO Office, Matenhail, Jhajjar	10.0 KW
Hero Motocorp, Gurgaon	100 KW	BDPO Office, Sahalawas, Jhajjar	10.0 KW
Nile Tech Ltd., Gurgaon	25 KW	CHC, Meham, Rohtak	1.0 KW
10 Power packs in Faridabad industrial cluster (4x2 KW & 6 x 1 KW)	14 KW	CHC, Lakhanmajra, Rohtak	1.0 KW
PCI, Ltd., Gurgaon	21.60 KW	Hero Motorcorp.Ltd., Dharuhera	80.0 KW
BDPO Offices, Odhan and Ellenabad, Sirsa (10 KWx2)	20 KW	Power Grid Corporation, Manesar	50.0 KW
BD & Pos Offices, Jind (450 Watt x 7)	3.15 KW	Education Board, Bhiwani	50.0 KW
Jat Dharamshal, Jind	10 KW	Haryana Gramin Bank Yamuna Nagar	5.00 KW
Ramson Organics Ltd., Pataudi, Gurgaon	25 KW	Total	788.45 KW

Source: HAREDA

Gurgaon and Faridabad are beneficiaries under the “Solar Cities” programme launched by MNRE. The master plan of both these cities has been submitted with the MNRE. The financial assistance of Rs. 25 million has been provided for developing Faridabad city as solar city. Four solar power plants of 10 KW capacity each have been sanctioned for installation on various buildings of Municipal Corporation, Faridabad. For Gurgaon, the detailed project report has been submitted to the MNRE for sanction of funds.

Considering the current solar RPO of 0.25 per cent of total energy consumption of both power utilities of Haryana, the power utilities will have a solar RPO shortfall of 176 MUs (110MW). In case the Solar RPO is increased by 3% of total energy consumption as per the amended National Tariff Policy, it shall be up to 2215 MUs by the year 2022, for which, state shall require an installed capacity of 1,300 MW approximately of solar power plants. To achieve this, the state requires a strong solar policy and implementation plan in place.



GURGAON'S ELECTRICITY AND SOLAR OVERVIEW

Gurgaon has fast transformed from a sleepy, satellite town close to Delhi, to a rapidly-growing, ultra modern metropolis. It is one of the fastest growing cities of north India. Gurgaon boasts of some of the best built hospitals, malls and schools in north India. With a population base of 2.5 million, Gurgaon single-handedly generates almost half (53 per cent) of the revenues of the state of Haryana. Given the city's astronomical growth, all infrastructure facilities are falling short of actual requirements.



We Manufacture Solar Panels from 10W-300W

- Mono & Polycrystalline - Warranty as per MNRE Specifications
- Plant Capacity 20MW Per Annum

We are also undertaking

- Rooftop Solar Photo Voltaic (SPV) Net Metering System.
- Solar Water Pumping System.

Our Credentials

- Our Solar Panels are IEC 61215, IEC 61701, IEC 61730-1, IEC 61730-2 – Certified by UL
- ISO 9001:2008 Certified Company
- MNRE Channel Partner
- NREDCAP Registered Supplier
- TNREDC Registered Supplier



AKSHAYA SOLAR POWER (INDIA) PRIVATE LIMITED

Manufacturing Unit & Head Office:

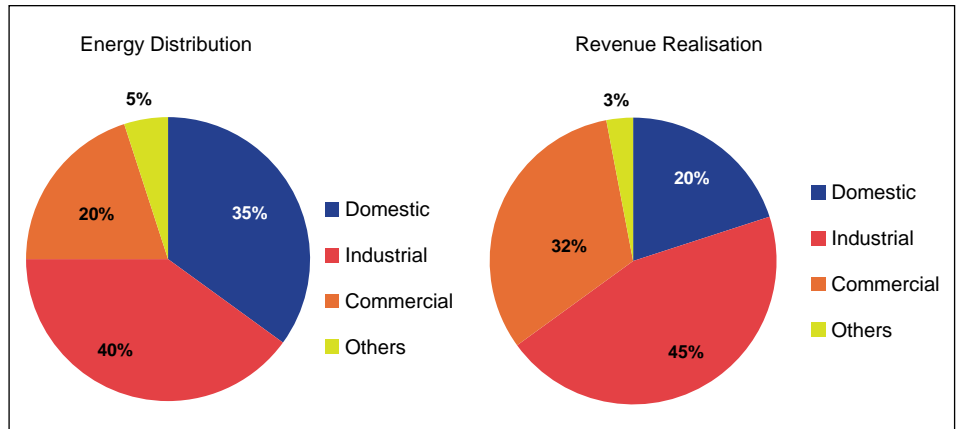
Plot No 60/C/E, Phase-1, Jeedimetla, Hyderabad 500055, Telangana, India
Email: raju@akshayasolar.com | Mobile: 098480 37227 | Landline: 040-40064524

Our Branches:

Pune: Mr. Kalyan Desai
Email: sales_west@akshayasolar.com
Mobile: 09421872170

Delhi: Mr. Mukesh Kaushik
Email: sales_delhi@akshayasolar.com
Mobile: 09910383424





Energy distribution/revenue realisation across different categories of DHVBN

Source: DHVBN

Gurgaon's electricity demand is rising steeply by 15 to 20 per cent every year.

DHBVNL supplies electricity to Gurgaon. Under DHBVN, the Gurgaon circle comprises of five distribution areas - City Gurgaon, Sub-urban Gurgaon, Manesar, Nuh and Sohna. As per DHBVNL officials, Gurgaon's peak demand in the summer of 2014 was 1,650 MW while its average demand was 1,250 MW. Its peak demand is expected to touch 2,000 MW in summer 2015, while the average demand is expected around 1,600 MW. The city's electricity demand is rising steeply by 15 to 20 per cent every year. Another atleast 1,200 MW - 1,500 MW of the city's electricity demand is met through polluting and costly DG sets. Such an indiscriminate usage of DG sets not only inflates electricity bill but also leads to increased pollution levels in the city.

Sometimes, even though there is energy availability, DHBVNL is unable to distribute the same effectively due to inefficient infrastructure. Transmission and distribution (T&D) investments need enormous funds by the government. Adoption of solar can partly bypass this lacunae, as private funds can be attracted through PPP, capital subsidy and interest subvention.

Highlights of Gurgaon's electricity sector are:

- Daily power demand of Gurgaon has doubled over the last five years.
- Gurgaon contributes about 40 per cent to the DHBVN's total revenue.
- Gurgaon circle supplies electricity to residential (35 per cent), industrial (30 per cent) and commercial (20 per cent). The rest is supplied to street lighting, agricultural, PWD, etc. In terms of revenues, domestic consumers contribute 20 per cent, while commercial and industrial consumers contribute 32 per cent and 45 per cent respectively. These figures are as per DHBVNL officials.
- Gurgaon circle contributes one third of the total load of Dakshin Haryana Bijli Vitran Nigam (DHBVN).
- Revenue realisation for DHBVN from Gurgaon Circle is 100 per cent.
- Gurgaon circle has AT&C losses of 12.8 per cent, and line losses of 15.88 per cent.
- 100 per cent metering at consumer level, but only 8.67 per cent at DT level.



The presence of industries, commercial centres and IT hubs and ever-growing real estate projects in Gurgaon has led to an increase in electricity demand. Besides, the number of hospitals, schools, malls, hotels is also rising. Solar could be used in Condominiums for meeting a part of electricity needs, street lighting and water

ESTIMATED GAP IN REQUIREMENT OF POWER AND CAPACITY OF DISTRIBUTION NETWORK IN GURGAON (2014-15)

Power (MW)	
Peak Load (MW) (A)	1331.00
Average Load (MW) (B)	1131.35
Capacity (MW) (C)	907.20
Gap (MW) (B-C)	224.15

Estimated based on DHBVN data assuming annual demand growth as 10% from 2012

SOLAR INSTALLATIONS IN GURGAON

Site	Capacity
The Retreat, TERI	50 KW
HAREDA Office Building	42.5 KW
Hero Motocorp	100 KW
Nile Tech Ltd.	25 KW
Prime Chemfert Industries Ltd.	21.60 KW
Ramson Organics Ltd., Pataudi	25 KW
Megasoft Solutions India Pvt. Ltd.	35 KW
Power Grid Corporation of India	50 KW
Engineers India Ltd., R&D Complex	90 KWp
Om Shanti Retreat Center, Brahmkumaris Ashram	450 KWp

Source: HAREDA

pumping. It could be used in commercial buildings and office complexes. (A mall uses around 3 MW of electricity every day, enough to electrify around 1,500 houses a day). It could also be used in rural areas for irrigation pumps.

Just like Haryana, Gurgaon also scores poorly on solar. Its total installed solar capacity is only 3.28 MW of which 3 MW is grid-connected and 0.28 MW is off-grid. Gurgaon also has potential for solar water heating (SWH) systems, solar street lights, solar lanterns, LED home lighting systems and box & dish type solar cookers.

Impediments to Adoption of Solar

- Some of the biggest impediments to adoption of solar are high upfront cost, limited financing schemes by banks, lack of consumer awareness as well as inadequate supply chain of vendors and service centres.
- The other concern is regulatory issues including operationalising of net metering provisions, which enable consumers generating excess power through solar panels to sell the surplus to the grid and get the amount deducted from their power bill. Besides, grid inter-connections have to be conducive to make solar

Gurgaon's total installed solar capacity is 3.28 MW of which 3 MW is grid-connected and 0.28 MW is off-grid.

? ? ? ? ?

Where
can I get
Renewable
experts ?

Do I have the
expertise in
Renewable Energy ?

Who can provide
"ME"
a turn key solution
to all my
Projects ?



To all your **challenges** from **concept to commissioning**

Advisory

Climate Change - Energy Policy - Corporate Sustainability

Wind

Wind Resource Assessment - Project Management Consulting - Lender's Engineer - Technical Due Diligence

Solar

Project Management Consulting - Lender's Engineer - Owner's Engineer - Technical Due Diligence - EPC
Asset Mgmt Service - Training Services - Financial Services

"We transform your challenges to solutions"



EMERGENT VNETURES



WINDFORCE MANAGEMENT SERVICES

part of the grid system. **Commitment by discoms** to absorb surplus power is not very clear.

- **High installation cost** is the single biggest deterrent. It costs about Rs. 80,000-1,00,000 per kW for setting up a captive solar PV system without battery storage and about 30-50 per cent more for a system with batteries depending on the hours of autonomy. There are some **attractive models** such as a Build-Own-Operate-Transfer (BOOT) available in the market, where the user of the system simply provides the rooftop and does not take the O&M risk. The facility is owned and operated by a third-party and tariffs are fixed right at the onset of the 25 year PPA. However, there are **regulatory uncertainties** that are hampering the adoption of such models. Some vendors have tied up with banks and started payment models with attractive EMIs so that high upfront cost can be avoided. However, **solar finance** is yet not as popular with commercial banks as are home loans or industrial equipment loans.
- Potential users feel that they have **little understanding** of solar. There is **technology risk** (changing very fast) as well as **product quality and after-sales risks** (quality, safety and performance standards).



The Opportunity and Way Forward

Solar energy possesses tremendous potential in bridging the country's energy demand-supply gap in the future. Both the central and the state governments are committed to promoting solar. However, there are various challenges for this industry, including lowering the cost of production, increasing R&D, sprucing consumer awareness as well as introducing attractive financing models and improving network of suppliers and after-sales service.

So far, solar power adoption had been policy driven and has mainly relied on subsidy support. Falling rates and improved technologies have justified solar to emerge on its own, without the support of subsidies. The sector has come to a stage that market driven forces need to take over. Solar energy has to be commoditised like any other consumer product.

Haryana's solar potential is estimated at 4.5 GW. Given the land scarcity in Haryana, solar rooftop systems present an attractive option for its cities such as Gurgaon. MNRE provides subsidy for the same. The Haryana Solar Policy 2014 is also quite comprehensive and progressive. The mandatory order for all buildings of 500 square yards and above to switch to solar is also a welcome step. However, citizens should be encouraged to put solar on pure economic value irrespective of the mandatory order by the Haryana government or the subsidy support by the MNRE. Besides, solar power can be used for traffic lights, street lights, blinkers on roads and parking lights. Solar lanterns can be used as emergency devices.

Last but not the least, the government and local administration needs to build awareness about solar among public. Gurgaon has two interesting solar centres, National Institute for Solar Energy, a Government of India body located at Guwal Pahari, on Gurgaon-Faridabad road as well as Rajiv Gandhi Renewable Centre at Leisure Valley, Sector 29, Gurgaon. Regular visits of RWAs, NGOs, school students and citizens should be arranged to these places.

Solar energy has to be commoditised like any other consumer product.

**Cut Down
Electricity
Bill with the
Help of Solar
Energy**

**Follow the
Mandate in
Haryana**

**Commit to a
Greener
Future**



Go Solar

GoGreen



For any Details, Contact Our **Channel Partner**

WeUGreen
Mr. Rakesh Sachdeva
Cell: +91-98100 94008
Ph: +91-124-4145967



**Designed, Engineered & Commissioned around 16
MWs of solar PV across 12 states in India &
Engineered around 900+ MWs in U.S.A**

1.5 MWs in Pipeline in Haryana

Call Us Today!



- ✓ Cut down your electricity bill.
- ✓ Play a part in reducing carbon emissions for a healthy environment.
- ✓ Get interruption free power.

We provide installation services for:

- Rooftop solar power plants.
- Solar street lights.
- Solar water pumps.

DNOVA

Design and Innovation

Dnova Infracon Pvt. Ltd.

Registered Office:
637, Sector-31, Gurgaon (Haryana)
Email: solar.dnova@gmail.com
Phone: 0124-2580638, 37

Contact:
Vivek Rajpoot
+91 9654580201
vivek.dnova@gmail.com

Haryana's Solar Policies

1. Policy for Promoting Generation of Electricity through Renewable Energy Sources

This policy was issued on November 23, 2005. The objective of this policy was to create conducive atmosphere for the involvement of private sector or public private sector participation in setting up and promoting biomass, cogeneration, small hydro, wind energy, waste energy and solar energy based power projects in the state. Some of the highlights of the policy were:

- Electricity duty exempted.
- Wheeling & banking facility.
- No royalty on water used for power generation for hydro projects.
- No conversion charges, external development charges, infrastructure development charges & scrutiny fee for setting up of renewable energy projects in agriculture zone.
- PPA for 20 years or more depends upon the plants life.
- Local area development tax exempted.
- Industry status.
- Tariff to be decided by HERC.

Key Notifications



- **Through a Notification in 2005, installation of solar water heating has been made mandatory** in
 - Industries, where hot water is required for processing,
 - Hospitals and nursing homes, government hospitals,
 - Hotels, motels and banquet halls,
 - Jail barracks,
 - Canteens, housing complexes set up by group housing societies/housing boards,
 - All Residential buildings built on a plot of size 500 sq.yds. and above falling within the limits of municipal committees/corporations and HUDA sectors, and
 - All government buildings, residential schools, educational colleges, hostels, technical/educational institutes, district institutes of education and training, tourism complexes and universities, etc.
- **Through a notification in 2008, Haryana has made energy efficient street lighting mandatory.** It is mandatory to use connecticut light/T-5 energy efficiency tube light/LED lamps and **energy efficiency lighting** (in-door and outdoor) for all consumers in **industrial, commercial and institutional sectors** having connected load of 30 KW or above. Also by notification in 2010, the use of BEE star rated pump sets (with minimum 4 star rating) as labeled by Bureau of Energy Efficiency (BEE), Ministry of Power, and ISI marked power capacitor, foot/reflex valves in agriculture sector has been made mandatory.

2. Haryana Solar Power Policy 2014

The new policy was introduced in 2014 and will remain effective till March 31, 2017. The policy mandates incentives and subsidies for solar power generators in the state. The state targets 100 MW grid-connected solar projects to be installed by 2017. This is likely to be achieved in two phases with 50 MW installations in each. The entire solar power generated by developers will be purchased by distribution companies



Indoor Air Purifiers Now in India



270E



450E



650E



SENSE

Join the
Clean Air India Movement

Get in Touch

Visiting Office: Business Sweden, Embassy of Sweden, Nyaya Marg
Chanakypuri, New Dehli - 110021

+91-9899811778 | www.blueair.in | [facebook/BlueairIndia](https://facebook.com/BlueairIndia)

BASICS OF GRID CONNECTED MW SCALE AND ROOF TOP SOLAR POWER PLANTS IN HARYANA

Capacity	1 MW (Grid Connected)	1 KW (Rooftop)
Total Cost (Rs)	6 Cr	90,000
Area required	5 Acres	10 Sqm
Units generated/Annum	16 lakhs	1600
PPA	25 yrs	25 yrs
HERC tariff (2014-15)	Rs. 7.45 /KwH	Rs. 7.19/KWh (To be reduced after subsidy)

Source: HAREDA

Haryana government has estimated that about 1,300 MW of solar capacity would need to be installed in the state by 2022.

of Haryana at the prevalent tariff. The policy suggests that the state government will facilitate and support the subsequent projects under the next phases of the JNNSM mission and these projects are eligible for incentives granted by the state. The government has estimated that about 1,300 MW of solar capacity would need to be installed in the state by 2022 to ensure solar purchase obligation (SPO) compliance.

Key Highlights of the Policy:

- Providing an enabling platform **for private and public sector participation** in setting up solar projects in the state and also in creating **manufacturing facilities** for system/devices/ components used in solar power generation in the state.
- Encouraging **Independent Power Producers (IPPs)** to install solar plants for captive use or **third-party sale** or **sale to DISCOMS**. The policy facilitates IPP to sign a power purchase agreement with power utilities for 25 years, thus guaranteeing the purchase of power.
- Exploring opportunities in setting up **50 MW** capacity solar power plants on **barren panchayat lands**.
- Providing an enabling environment for **off-grid solar applications** (both SPV & Thermal) such as solar lanterns, lighting systems, cookers, etc. The policy targets to achieve an aggregate capacity of 35 MW by the end of tenure. Huge incentives are designated by central and state government.

FUNDS REQUIRED FOR OFF GRID SYSTEMS

S no.	Category	Total project cost (Rs. in cr)	MNRE Subsidy (Rs. in cr)	Beneficiary share (Rs. in cr)	State subsidy (funds required) (Rs. in cr)
1	Off Grid SPV Devices	519	151	284	84
2	Solar Thermal	75	-	45	30
3	Model Villages	89	26	18	45
	Sub Total	683	177	322	159
Additional subsidy to SC, BPL & farmers category.					33
Total funds required					192

Source: HAREDA

RENEWABLE PURCHASE OBLIGATION (RPO) OF HARYANA

Year	Total RPO	Solar	Non-solar
2013-14	3%	0.10%	2.90%
2014-15	3.25%	0.25%	3%
2015-16	3.5%	0.75%	2.75%
2016-17	3.75%	1%	2.75%
2017-18	4%	1.25%	2.75%
2018-19	4.5%	1.5%	3%
2019-20	4.75%	2%	2.75%
2020-21	5%	2.5%	2.5%
2021-22	5.5%	3%	2.5%

Source: HAREDA

- Exploring the possibility of setting up of MW scale solar power plants on **canals** shall be explored. This will not only help in providing sufficient space but also help in reducing the water evaporation. The site shall be identified in consultation with Irrigation Department, Haryana. The bidder shall be selected through reverse bidding on the basis of maximum discount offered on the levelised tariff fixed by HERC for SPV solar power plants.
- Promoting installations of **roof top grid interactive systems** on **industries, public & private institutions, hospitals, residential establishments**, etc. Net metering regulations will be followed for promoting this type of installations in the state.
- Targeting **50 MW roof top grid-connected solar** to be installed in the state by the end of the policy tenure through **three cluster of buildings**. The implementation is categorized into three clusters of buildings a) **Public Buildings**: Aggregate capacity in each cluster is 1MW; maximum 500 kW capacity per building. b) **Private Buildings**: Aggregate capacity 500-1000kW individual buildings, and c) **Individual Buildings**: Allowable capacity of 5kW to 100kW at the consumer/generator cost on net metering basis, state financial assistance of 40% of the cost of system to the beneficiaries (30% MNRE and 10% Green Energy Fund).
- Creating a **Green Energy Fund** under the board of directors of HAREDA and director general, RE department. These funds will be generated by levying 2 paisa per unit solar cess and electricity duty on all categories of consumers of DICSOMS and open access consumer, except agriculture consumers.



GENERATION OF FUNDS (ESTIMATED) – GREEN ENERGY FUND

Year	Projected billing of Energy by power utilities (MU)	Solar cess (Rs. in crore)
2014-15	30000	60
2015-16	32000	64
2016-17	34000	68
Total		192

Source: HAREDA

ARTEMISTM

H O S P I T A L S

OUR SPECIALITY IS YOU

Sector 51, Gurgaon



Artemis Hospital is the first hospital in Gurgaon, Haryana to achieve National as well as International accreditation from JCI - Joint Commission International & NABH - National Accreditation Board for Hospital & Healthcare Providers

Centres of Excellence



- **Facilitating wheeling of solar** power through the utilities. (As per the notification, 5th September 2011, HERC, if the distribution licensee procures the power then the wheeling charges will be taxed at 2 per cent of RE fed into the grid by the developer. In other cases, unless stated the fee levied at the rates determined by the commission from time to time. As per the CERC notification, 23rd September 2010, the reactive power charges will be as per the grid code for transaction in the intervening transmission facility).
- Allowing the developer to **bank power** for a period of 12 months by the utilities/ licensee. If the banked power is not withdrawn within the 12 month period, it will lapse automatically.
- Allowing the new solar power generating projects to be **clustered as industries** and the incentives applicable according to Haryana industrial policy.
- Making the **Town and Country Planning Department** responsible for facilitating solar energy power projects in the state without levying of conversion charges, change of land use charges, external development charges, scrutiny fee and infrastructure development charges. Small scale rooftop installations are exempted from application/processing fee.
- Providing a framework for the wide scale adoption of **solar water heating systems** (SWHS) and **solar steam** systems. Financial incentive to the tune of 40 per cent (30% by MNRE and 10% from the State's Green Energy Fund) is being provided to support SWHS and solar steam systems.
- Introducing **training programmes** on solar projects in ITI and diploma courses.
- Providing financial incentives to the **state engineering colleges** to promote research and development in the field.
- Developing **solar model villages**, one village in each district. Financial incentive to the tune of 80 per cent of the cost of complete project shall be provided from the state's Green Energy Fund (30% from MNRE subsidy and 50% from Green Energy Fund).

Critique of the Policy

- The policy is promising and covers all facets of solar development. The focus on rooftop solar installation could reduce the peak power demand deficit of Haryana.
- As a positive, the policy offers huge incentives for off-grid solar installations. For the agricultural sector, solar incentives of 60% are proposed and are exempted from solar cess fee. The policy facilitates research & development of innovative solar technologies in engineering colleges in Haryana state.
- Additionally, the state is exploring opportunities to include solar programs in ITI and diploma courses to upgrade skills. This undertaking will increase the awareness of solar sector and the job market in the state.
- Experts feel that the cluster approach (rather than individual building) is likely to be a better option, as it will provide economies of scale for investment, for installation, and most importantly for maintenance.
- However, the Policy also suffers from a few shortcomings. For instance, developers will be required to pay wheeling charges for wheeling of energy and a solar cess of Re 0.02 per kWh. But the cess can contribute towards the Green Energy Fund, for the development of solar in the state.
- Substantial work needs to be done to develop the enabling environment for attracting investment and promoting solar in an effective manner. The policy itself states that "necessary amendments in various policies, rules and regulations, wherever necessary, shall be expeditiously undertaken by the concerned department."
- Besides, an entire array of high-quality and reliable vendors to supply equipment,

Experts feel that the cluster approach described in Haryana Solar Power Policy, 2014 is likely to be a better option as it will provide economies of scale.



— PRESENTS —

clickp**Q**wer.in

— INDIA'S FIRST GREEN ENERGY MARKETPLACE —

MISSION

To help consumers set up/
procure solar power
To enable solar generators
achieve instant access to
consumers

KEY FEATURES

India's first ever online platform for solar
Customized solutions for consumers in Haryana
Wider market access to solar generators

VALUE PROPOSITION

SCALE

Reduced Transaction Cost

Free for Consumers

HIGHLY CUSTOMIZABLE

Option of Multiple Term sheets for Solar Generators

Enables Highly Structured Transactions

TRANSPARENCY

Better Decision Making

Analytical Tools

CUSTOM MADE FOR SOLAR

State Specific Solar Provisions

Connecting the right dots, with REConnect.

For all enquiries dial 080 88 732 732

When security matters...

Electronic Security Products and Solutions



CCTV Surveillance System



Access Control & Time Attendance



Metal Detector



Visitor Management System



PA & Audio/Video Conference System

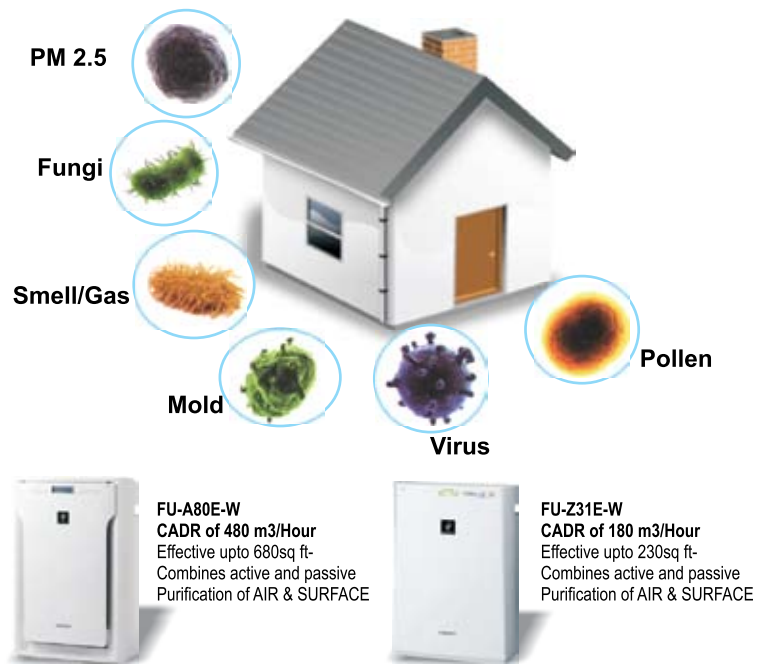


Intrusion/Burglar & Fire Alarm System



Audio Visual Equipment

Now you too can have infection and pollution free office / home / clinic by **Sharp** air Purifier



PM 2.5
Fungi
Smell/Gas
Mold
Virus
Pollen

FU-A80E-W
CADR of 480 m3/Hour
Effective upto 680sq ft-
Combines active and passive
Purification of AIR & SURFACE

FU-Z31E-W
CADR of 180 m3/Hour
Effective upto 230sq ft-
Combines active and passive
Purification of AIR & SURFACE

Our Prestigious Customers



Authorized Product & Solution Partner



AMRON ASSOCIATES PRIVATE LIMITED

Corporate Office:

D-53, Plot No.-3, Maruti Industrial Area, Sector-18, Gurgaon - 122015 (Haryana) India;
Tel: +91-124-4005434 | Mobile: +91-9811110144; 9811101149
Email: info@amron.co.in; sales@amron.co.in

Regional Office:

G-82, Sector-9, Noida - 201301 (UP) India
Tel: +91-120-4223731/32 | Fax: +91-120-4223732

manage generation and provide maintenance will have to be created and made available to potential users on Hareda's website.

- As per the policy, the solar RPO target for the year 2015-16 is 0.75 per cent. RPO enforcement has to be made stringent, with regulators imposing penalties on discoms in case of non-compliance in a fair and transparent manner. On an all-India basis RPO compliance has been only 50 per cent.
- Another suggestion is that the policy should be part of the municipal bye-laws for facilitating implementation by local administration.

Recent Developments



RPO enforcement has to be made stringent. On an all-India basis RPO compliance has been only 50 per cent.

I. An Order in September 2014 from Renewable Energy Department, Government of Haryana, makes it mandatory for all buildings on plot size of 500 square yards or more to install rooftop solar power systems by September 2015. Failure to install the solar panels by September would attract penalties between Rs 10,000 and Rs 10 lakh. Here are the highlights of the order:

- All residential buildings (500 sq.yard or above) falling within the limits of HUDA, HSIIDC, municipal corporation or councils or committees to install minimum 1 kWp/5% of connected load, whichever is higher.
- All private educational institutions (school, colleges, etc.) with load of 30 KW and above to install min 5kWp/5% of connected load, whichever is higher.
- All government offices, buildings, colleges, etc., with 30 kW or above to install 2 kWp/5 per cent of connected load, whichever is higher.
- All private hospitals, hotels, malls, etc., 50-1000 kW or above to install 10-50 kWp/5-3 per cent of connected load, whichever is higher.
- All new housing complexes developed by group housing societies, builders, housing boards on plot size of 0.5-5 acres or above to install min 10-40 kWp.
- Irrigation department water lifting of load 100 kWp and above to install 50 kWp/ 3 per cent of connected load, whichever is higher.
- State-level monitoring committee headed by the Chief Secretary will monitor quarterly. Renewable Energy Department, Haryana is the nodal department to monitor the implementation of mandatory provisions.
- Completion certificate to be issued after getting the No Objection Certificate from Renewable Energy Department. District and a state level nodal officer to be designated by each department to monitor.
- Renewable Energy Department to provide all necessary technical support in preparation of project proposal, cost estimates and executing the projects. Department may also facilitate these organisations in obtaining the CFA from MNRE, GOI, if available, from the ministry from time to time.
- Renewable Energy Department has to design models for installation of renewable energy systems in the buildings to be developed by the developer or group housing society. Renewable Energy Department shall also give wide publicity to the programme from time to time.

The Order is meant to encourage use of solar. However, some citizens feel that mandatory requirement will put undue financial pressure as well as installation and maintenance headache especially for retired senior citizens settled in Gurgaon and Faridabad in the 80s and 90s. They are of the view that the Order should be applicable for new construction only.



Steam Solar

MW Scale Solar Park



Rooftop Solar Plant



Solar Lighting Solutions



Operations and Maintenance



“We provide end to end services”

- ❖ Financing
- ❖ Approvals
- ❖ Commissioning
- ❖ Designing
- ❖ Constructing
- ❖ Operating & maintaining

Benefits of Rooftop Solar Plants:

- ❖ Self sustainability of building
- ❖ Demonstrate environmental consciousness
- ❖ Enhances the value of real estate
- ❖ Return time is nearly 3 years
- ❖ Economic life-time of about 30 to 40 years

Contact details: Romisha Agarwal

Contact No.: 8826045484, 8527874998, 9350781439

Email: romisha@steamideas.com, info@steamideas.com

II. The Haryana Electricity Regulatory Commission (Rooftop Solar Grid Interactive System based on Net Metering) Regulations, 2014 came out in November 2014.

“net metering” means an arrangement of energy metering under solar system installed at an eligible consumer’s premises delivers solar power simultaneously with the power supplied by the licensee to the consumer’s premises and the net consumption after off-setting the power generated by the solar power system is measured and displayed for the applicable billing period.”

Some of the highlights of the policy are as follows.

All electricity consumers eligible, upto target capacity, will be provided net-metering on a first-come-first-served basis.

The generator shall inject the entire power generated into the system of the licensee at a single point without permitting any of this power to be consumed in the individual premises. Purchase of such generated power shall entitle the licensee to renewable purchase obligation benefits or to the generator for REC as per the Central Electricity Regulatory Commission (terms and conditions for recognition and issuance of renewable energy certificate for renewable energy generation) Regulations, 2010 and subsequent amendments thereof. The cost of the additional equipment required for connectivity in such cases shall be borne by the generator. The licensee shall be under an obligation to buy the solar power generated through rooftop solar system in Haryana up to the ceiling of solar RPO and at rates limited to or lower than the feed-in-tariff of solar energy. In such cases, if the power generated is 250 kW or above, the generator may enter into a power purchase agreement with the licensee serving that area or go for third-party sale through open access. The licensee shall offer the provision of net metering arrangement to the consumer, who intends to install grid connected rooftop solar system, in its area of supply on non-discriminatory and first-come-first-served basis.

Other Key points:

- Installation of grid interactive rooftop solar system with or without battery backup.
- All electricity consumers eligible, upto target capacity, on first-come-first-served basis.
- Maximum installed capacity - upto 1MWp for a single consumer.
- Targeted maximum cumulative capacity - 400 MW.
- 5 per cent variation in the rated capacity allowed.



III. The MNRE has put out a notification on its website on January 2, 2015, stating that the subsidy policy was under revision and reduced to 15 per cent from the earlier 30 per cent, and will be either in the form of capital subsidy to be given directly to Aadhaar-linked accounts or in the form of interest subvention. The MNRE order says that the subsidy will be on installation costs on “a first-come-first-served basis,” which means it would depend on availability of funds. The **reduced subsidy** may be applicable only for certain sectors like educational institutions, residential buildings, old age homes, orphanages, and state and central government buildings. Due to limited availability of budget, the notice adds that the capital subsidy may not be provided to certain categories of beneficiaries at all.

Our take is that though getting these subsidies is a tedious process and many installers have previously faced subsidy backlogs, for the rooftop solar generators of higher capacity, this subsidy reduction could pose as a dampner. By reducing subsidies, the MNRE intends to allow market forces to help grow solar.

GURGAON FIRST

Striving for positive change in Gurgaon through workshops and research



Key Focus Areas:

- Sustainable Development
- Infrastructure Growth
- Improved Governance
- Inclusive Growth

Research:

- Gurgaon's Electricity Distribution Report 2013

Some of the workshops conducted by Gurgaon First:

- Gurgaon as a Smart City (September 2012)
- Finding Traffic Solutions for Gurgaon (November 2012)
- Making Gurgaon a Safe Place for Women (January 2013)
- Revamping Gurgaon's Electricity Sector (March 2013)
- Promoting Green Buildings in Gurgaon (April 2013)
- Waste Management in Gurgaon (July 2013)
- Empowering Urban Local Bodies For Better Governance (September 2013)
- Tackling Gurgaon's Water Crisis (October 2013)
- RWA Conclave For Common Good (October 2013)
- Improving Local Governance (November 2013)
- Women's Safety at Public and Work Places in Gurgaon (January 2014)
- Eco Green Initiatives (December 2014)
- Energising Gurgaon Through Solar (February 2015)

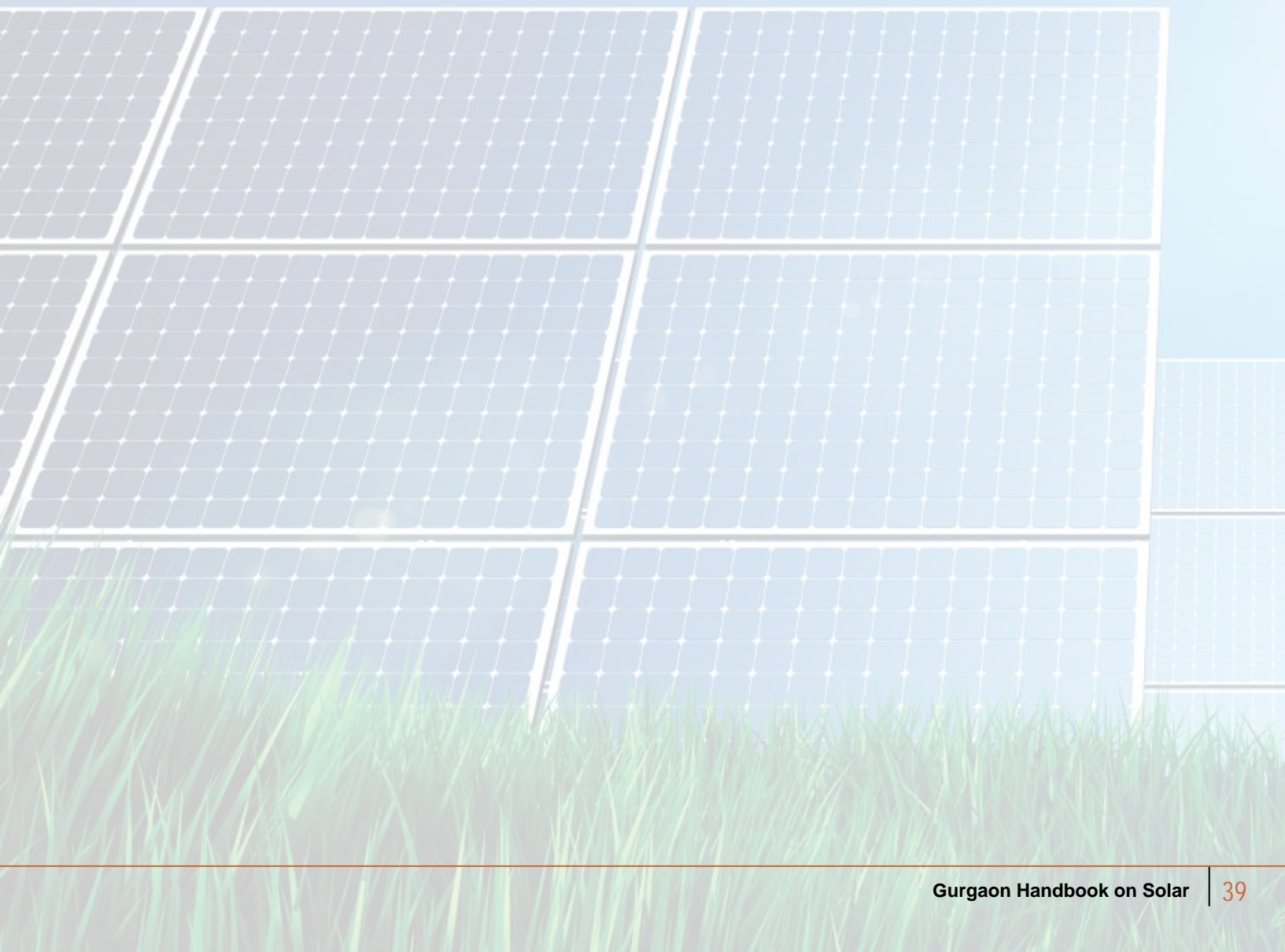
Workshops attended by key stakeholders including Authorities, RWAs, Corporates, Industry, Citizen Groups and NGOs



www.gurgaonfirst.org

Reach us at: Email: teamgurgaonfirst@gmail.com | Tel: 0124-4384669

GUEST COLUMNS



The Smart Way Towards Solar

The city of Gurgaon has grown by leaps and bounds during the last couple of decades to be labelled as a millennium city. In order to transform Gurgaon as 'city of aspirations' we may need to synchronise various sectors of the city as per the global benchmarks. While doing so, we have a daunting task of achieving twin objectives of efficiency and sustainability. In the power sector, realising these objectives will be possible by harnessing the potential for solar energy of the city and complementing it with conventional energy sources.

Haryana has been one of the pioneering states to create its own solar energy policy wherein every building with a 500 sq yard plotted area is mandated to create a renewable energy source contributing to 5 per cent of its energy needs by September 2015. In order to implement this policy, there is a need to bring all the stakeholders on a common platform. It is a no-brainer that globally such policies are co-produced and implemented with coherent efforts of governments, market and civil society. While the district administration represents the government, the Independent Power producers along with consultants, other independent advisories and component manufacturers represent market. Various NGOs and RWAs represent civil society. *Gurgaon First* has been endeavouring to achieve this goal as nodal organisation to coordinate the efforts of various stakeholders.

Interestingly, in a field as complex as renewable energy there is a need to see the issues in ecosystem perspective. There are various legal, technical, technological and procedural issues involved. Still more important is going to be the issues related to institutional design. During the last decade the field of renewable energy has achieved a very high degree of technological progress. The Shockley-Queissier constant, a concept defined in photo-voltaic energy systems, places the theoretical limits of capacity to harness solar power at 41-42 per cent. Slowly, with

innovations in the field of technology we are inching fast beyond 18-20 per cent. The power purchase agreements and contracts need to be drafted to account for the possibility of changes due to such revolutionary technologies in near term.

With the advent of e-commerce there is sufficient to bring the market players, owners of rooftop spaces and RWAs on the e-commerce platform. The smart solar grids need to be designed in such a way that installation of a photovoltaic system on rooftops of the buildings located in these grids will not only be profitable but also ensure harnessing maximum solar energy in totality from the city.

Presently, the Achilles Heel for public agencies is absence of a platform/tool that can provide information and database at one stop. Creation of a geographic information system (GIS) can provide control on planning process on every square feet of area can enable us to achieve the vision of realising the potential of tapping maximum Solar power. An efficient GIS system will also support simulation of various permutations and combination of buildings, rooftops spaces and other surfaces to achieve the best possible grids.

There is also a need for providing incentives to Independent Power Producers and owners of roof top spaces by way of minimum possible wheeling charges. One also need to examine the problems associated with transfer of solar energy to the power grids. A close analysis makes it clear that in such a convergence scenario, a smart citizen centric approach can mobilise resources from various quarters to achieve the desirable output. Compilation of information on solar energy of Gurgaon is the first step in this direction.

T.L. Satyaprakash,
Deputy Commissioner, Gurgaon

Solar Industry and its Opportunity in Gurgaon

Gurgaon city has become a symbol of modern city with ample opportunities. Although, it has a number of hi-tech buildings for the commercial and residential sectors, the city fights with the frequent power cuts and quality electricity supply. This has compelled the city dwellers to use diesel generating sets in their buildings for meeting their electricity requirements. The electricity produce from a DG set is not only a threat to the environment but also is the expensive too. It is learnt that Gurgaon hosts over 2,000 MWp installations of DG sets which is polluting the city.

Today, solar energy has become a viable and cheap option. The electricity produced from a solar plant is about one-third of the unit price of electricity produced from a DG set. Then, what are the reasons, the solar energy utilisation is yet to be adopted by the people with the financial support from the government.

The only reason I find is the general perception that solar is still an expensive option and requires heavy initial capital investments. People still think that solar is a government driven activity and is the responsibility of the government to support it with subsidy from the tax payer's money. This is not right. It is the responsibility of every citizen to protect the environment around them and contribute in mitigating the pollutants in the atmosphere.

The Government of India has set a target of 100 GW from solar power in the country which gives an investment opportunity of about US\$ 100 billion in the near future. Apart from grid-interactive solar power, solar energy has many off-grid applications such as solar water heating, solar steam generation for cooking, solar cookers, solar lighting systems, solar PV based traffic signals, blinkers and solar rooftops with battery backups etc.. These can save the conventional electricity and also provide a clean source of energy.

The grid-interactive solar rooftop has come up as an innovative viable option. It does not require battery backup and it can be installed on the unusable roof area and can be connected to the existing electricity supply on the residential or commercial establishments. The cost of solar electricity today ranges from Rs.6.0 to 7.0 per kWh which is quite competitive with commercial rates of electricity being charged by the DISCOMs in most of the Indian cities including Gurgaon. Most of the establishments using DG Sets can think of installing grid-interactive solar rooftop systems that will save them from expensive and polluting energy.

In India, 20 State Electricity Regulatory Commissions i.e. Andhra Pradesh, Chhattisgarh, Delhi, Gujarat, Haryana, Karnataka,

Kerala, Odisha, Rajasthan, Tamil Nadu, Uttar Pradesh, Uttarakhand, West Bengal, Andaman & Nicobar, Chandigarh, Dadra & Nagar Haveli, Daman & Diu, Lakshadweep, Pondicherry and Goa have issued the appropriate regulatory orders and the grid connected rooftop systems are being taken up in these States.

Rooftop systems are economically viable and hence need no financial support but the initial cost is a little constraint. For this, the ministry is working with the banking sector to provide low cost loans to individuals.

The Reserve Bank of India (RBI) has recently come out with a notification vide no. RBI/2014-15/573 dated April 23, 2015 has included renewable energy in the priority sector lending. It provides:

"Bank loans up to a limit of Rs 15 crore to borrowers for purposes like solar based power generators, biomass based power generators, wind mills, micro-hydel plants and for non-conventional energy based public utilities viz. street lighting systems, and remote village electrification. For individual households, the loan limit will be Rs 10 lakh per borrower".

The growth of industrial sector has a direct relationship with the development of other significant sectors of the country. Indigenous manufacturing is a backbone for overall growth of a particular sector besides the intangible benefits of employment generation and economic development. Today in this competitive world, the indigenous manufacturing is facing a challenge of providing quality products at a competitive price. The indigenous manufacturers for renewable energy products including solar can play a vital role in providing low cost solutions for renewable energy products.

Although renewable energy particularly solar has become commercially viable with proven technologies and many products have been developed but still due to mind set, people are waiting for government subsidy. With limited resources, it is not possible for the government to provide subsidy to every individual. Now we should think to use renewable energy products with our own resources.

I wish all success for the *Gurgaon First* in popularising renewable energy applications in Gurgaon.

**Dr. Arun K Tripathi, Senior Director
Ministry of New and Renewable Energy**

Strategy for Solar Implementation

There is reasonable solar potential in Haryana and in Gurgaon specifically, Potential must be harnessed to meet the rapidly increasing demand. Given the land scarcity in the Millennium city, Gurgaon, solar rooftop PV is most attractive and viable alternative. Typical load curve which peaks out in day time especially in summer season gets immense benefits from the Solar PV-based system supplying maximum power at the time of peak requirements. Above alternatives not only benefits the state utilities through saving of T&D losses, reduced investment requirement for T&D but also benefits end consumer through reduced energy bills, partial impact of utility tariff hikes, earning through selling surplus energy to utility etc., making a win-win case for both.

As per Department of Land and resources (DOLR) estimates (2008) Gurgaon has around 131 sq km wasteland (about 10 per cent of TGA). Out of 23 types of wasteland categories, most of the wasteland is classified in Land with dense scrub (76 per cent) Degraded pastures/grazing land (15 per cent). Considering above, options such as micro grid development on wastelands through distributed generation comprising hybrid RE resources like solar PV, biomass, waste-to-energy plants may also be explored. Hybridization of RE resources in such micro grids shall provide benefits through diversity of resources and therefore consistency of supplies.

Implementation Strategy

It is proposed that implementation of solar projects (PV/distributed) and other RE projects (Biomass/Waste to energy) may be carried out in following manner:

- Ensure strict compliance to various regulations of regulatory commission and Solar policies of the state so that Renewable capacity addition targets can be achieved
- Fulfillment of annual renewable purchase obligation (Solar) by state DISCOMS
- Coordinated and stable policy formation for installation of rooftop solar PV on household/commercial building/industries etc. to provide incentives and subsidies to promote solar energy.
- Single window clearance for applications to be submitted by the consumers like availing of subsidy, arrangement of

loan and all required statutory clearance etc. is to be provided in a time bound manner. For this, standard procedures for submission of applications and various milestones for processing of application and providing approval to be formulated by the state government. and compliance to be ensured.

- Providing assistance towards arrangement of Government subsidy disbursement/ bank loan at concessional rate to consumers.
- Prioritisation of areas to undertake installation of rooftop solar PV systems for residential & commercial complex, for which detailed studies are to be carried out for preparation of area wise detailed project reports.
- DISCOMs are also to be involved in mass scale roof top solar PV programme formulation to ensure adequacy of distribution system for reverse power flows/DT capacity/ protection systems etc.
- Appointment of nodal agency for implementation & project management who will play key role in formulation of area wise DPR, terms & conditions for implementation of project for empanelment of execution agency.
- Appointment of central agency or area wise agencies for carrying out maintenance of the installations.
- Empanelment of the parties & fixing of rate for supply, installation, testing and commissioning of system similar to DGS&D rate contract mechanism. Consumer can select any of the empanelled agencies for installation of rooftop solar PV system as per the empanelled rate.
- Identification of wasteland zones and development of pilot micro grid hubs having hybrid RE resources like Solar, Biomass, Waste to energy plants etc. along with large scale energy storage
- Innovative financing mechanism to be evolved by State Nodal Agency (SNA) so as to make investment attractive to the consumer.
- Organisation of consumer awareness programmes/ camps about Solar PV technology, environmental benefits, investment requirement, financing etc.

Dr Subir Sen, *General Manager,
Smart Grid and Energy Efficiency,
Power Grid Corporation of India Ltd*

Go Solar: The Time is Now

Solar energy is abundant and free. To make an estimate, an area of 1 square meter receives about 1 kW of energy from the sun at noontime during clear sky conditions. Of course, it varies from morning to evening and from season to season. Thinking of solar power as a complete replacement of conventional power is not yet practical due to high cost of electricity storage. Making solar as an important mix in the energy consumption is financially attractive and environmentally desirable.

Technology can be used to harness heat from the sun or it can be used to convert the energy directly into electricity. The technology to convert light into electricity is called photovoltaics (PV). It produces a DC electricity and requires an inverter to use home appliances that run on AC. On the other hand, solar thermal technologies use direct heat from the sun. Household water heating is most common. The technology can be used for many industrial applications in heating and cooling through direct heat transfer or steam generation using concentrators. In this article, we look at the solar PV application only.

Last year alone, more than 42,000 MW of solar power plants were installed globally. India installed about 1000 MW. Indian government has set-up ambitious targets of 100,000 MW by 2020 including 40,000 MW of roof-tops and distributed generation. While the price of installations have dropped significantly in last five years, there is a stability in prices now and the solar is reaching the status of a mature industry. With a strong emphasis from the government, positive regulatory framework and interesting financing options, this is the time to go solar and make a contribution towards a greener planet while enjoying free electricity for next 25 years.

The policies and regulatory framework have been discussed at other places in this volume. The current article addresses typical technology concerns for potential solar adoption. We look at roof-top installations in particular.

Installations on roof-tops require proper shadow analysis. Nearby buildings, trees, water tanks etc. can cast shadow on the PV panels. The impact of shadow on the power output from modules can be unproportionately high. A typical PV panel is made of solar cells (currently, about 200 micron thick square silicon wafers of six inch side). These cells are interconnected in series and parallel configuration to get desired voltages and currents. Therefore, shading of one cell can impact the current flow of the whole panel. Moreover, strong shading of localized areas can lead to "hot spots" and reduce the life of the solar panel. The location of PV panels needs to be decided based on the annual shadow profile. A professional installer uses a shadow analyzer to take pictures at site and then a software to estimate the annual solar output. Inter-row spacing between solar panels is also chosen based on computer simulations to avoid losses due to shadow.

Another important point is the quality of structures to mount the panels. The structures should follow building codes and withstand the wind-loads during storms. One would be particularly concerned about the quality, strength, design and installation of structures in the residential areas, schools and hospitals etc.

Solar is a high growth industry and appearance of unscrupulous suppliers is not uncommon. The only assurance of the power capacity of the supplied panels is a tag. It is not simple for a consumer to verify the power output of a PV panel. We have observed the power output to be lower by 20 to 30% in some cases. Improper handling and transportation may lead to microcracks that are invisible to naked eye. Such panels are also likely to degrade faster. Therefore, it is prudent to use solar panels from reputed manufacturers and insist on on-site verification by the installer or a third party agency. Post commissioning test will also expose any issues caused by improper handling or installation.

Similarly, selection of inverter has to be based on end-use. A typical grid-tied inverter does not operate when the utility grid power is out. So one may have an expensive solar system on the roof, but no electricity at home in the event of a power outage.

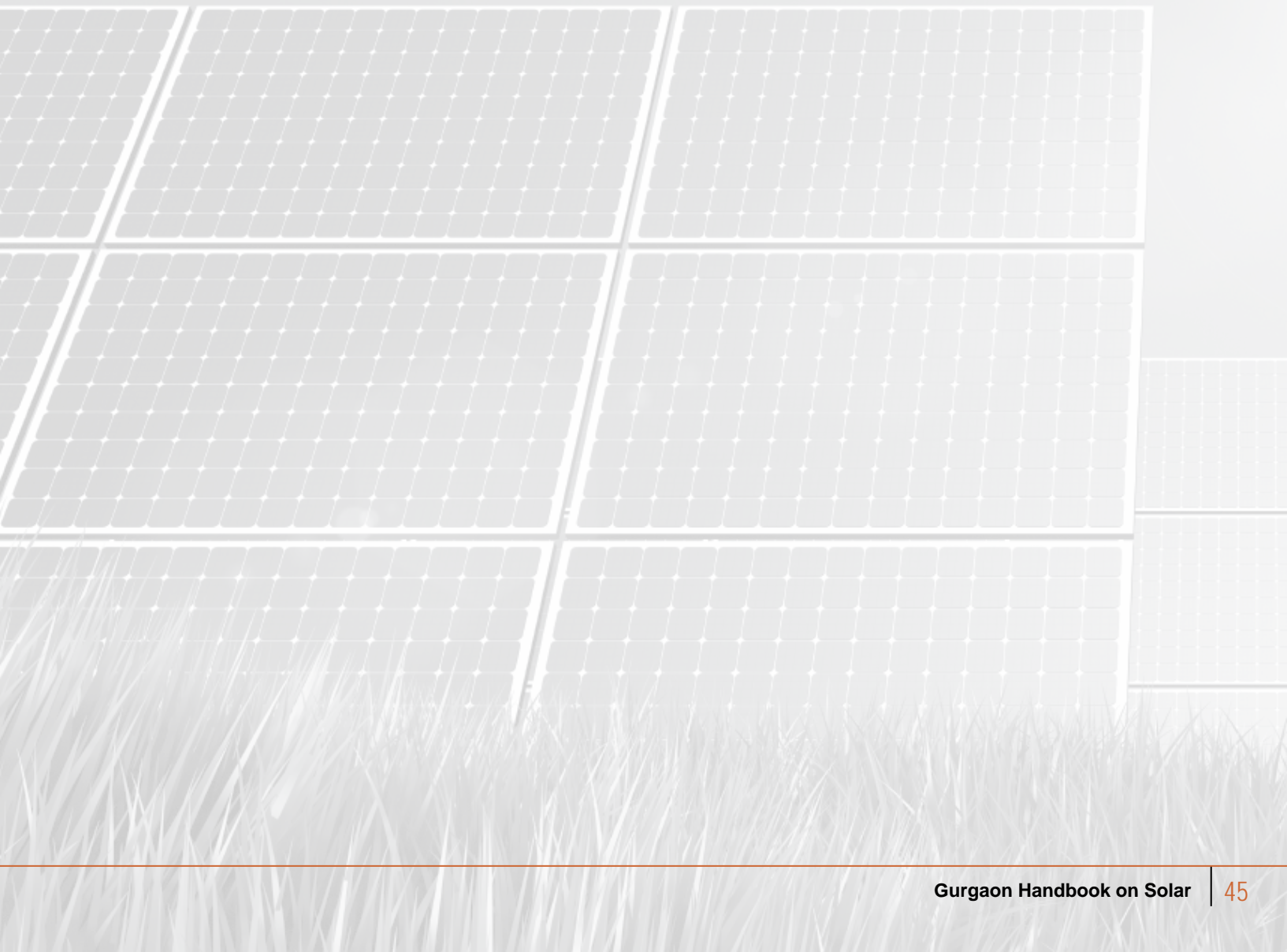
Once a solar PV plant is commissioned properly, it requires little operation and maintenance. Periodic cleaning of the panels is only requirement. However, it must be kept in mind that solar power generation is DC and significantly high currents may flow in the system upto the inverters. A loose connection or improper contact may lead to local heating and pose a fire hazard.

More advanced concepts involve a micro-grid configuration where one integrates supply side and demand side through smart micro-grid controllers. Let us take an example of a hospital. It may be supplied power from the utility grid, solar, diesel generators and storage batteries (UPS). Hospitals have critical loads such as operation theaters and ICUs. A smart microgrid system will ensure the power supply and reduce the power consumption considerably.

Solar power can be effectively integrated and power management systems can particularly be designed smartly for upcoming constructions. Large buildings such as BPOs, Universities, industry complexes must use modern design concepts for energy efficiency and incorporate renewable energy such as solar. As described earlier, solar PV produces DC power. Incidentally, large number of appliances use DC power. A concept of 48V DC internal grid is also emerging and should be considered for constructing new buildings.

Dr Satyendra Kumar,
Chief Mentor- Solar Business,
Emergent Ventures India

A CASE FOR SOLAR ROOFTOPS



Introduction

Since land is a scarce resource, solar rooftops make a lot of sense for cities. Countries such as Germany, USA, Italy and Australia have had very successful solar PV installations on rooftops programmes, thanks to proactive government policies, increased consumer awareness and availability of innovative financing schemes.

The solar rooftop potential in India is 25,000 MW assuming a 1 kWp - 3 kWp potential per household. As of now only 3,000 MW has been achieved so far. Roof top solar projects in India are currently policy (central or state) driven. The MNRE is implementing Solar Off-Grid Programme under Jawaharlal Nehru National Solar Mission (JNNSM). In Phase I of this programme, a Rooftop PV and Small Solar Power Generation Programme (RPSSGP) scheme intended to develop solar PV projects with a maximum capacity of 20 MW per state. More than 90 MW has been installed under this scheme. Currently, MNRE is offering a 30 per cent subsidy for solar roof top systems, though it has been reduced to 15 per cent and will be gradually tapered off.

While India's solar rooftop potential is 25,000 MW, only 3,000 has been achieved so far.

Many states have taken a lead in solar rooftops, including Gujarat, Andhra Pradesh, West Bengal, Uttarakhand Karnataka and Kerala. Most states have capital subsidy coupled with net metering to promote these projects. Until there is net metering, only off-grid solutions can be installed. Roof top solar can either be entirely fed in to the grid (gross metering) with system owner getting a pre-determined tariff for it; or the owner can consume some of the power at his end and the surplus power is released to the grid (net metering). Only a few states in India such as Delhi, Punjab, Karnataka, Andhra Pradesh have issued regulations for net metering so far. Net metering will not be effective if there is load shedding and grid instability. Battery based systems can help bypass this problem. So, for rooftop solar to become attractive, it is imperative that net metering should be operationalized.

For a household owner, how much solar be put on the rooftop depends on direction of the rooftop (south facing is better). A shadow profile study is done as shadow affects

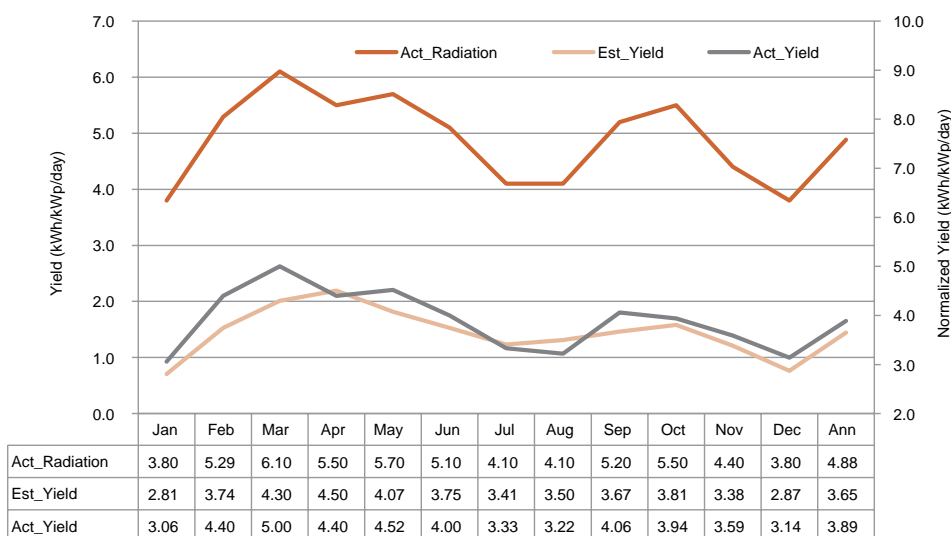


Chart 6: Roof top PV performance (in Gurgaon) - 1 kWp

Source: EVI

the power output disproportionately and shadow spots can damage the solar modules. Besides, presence of parapets, AC compressors, water pipelines, water tanks can also pose a problem. More or less, a few kW on a household rooftop can be installed. Designing is important, especially for industrial and commercial rooftops. These systems can be installed with or without battery bank. The cost of system with battery back-up is about Rs. 1.20-1.50 lac/kWp & without battery backup is about Rs. 0.80 lac/kWp.

For solar rooftops to take off, consumer awareness about technology and market, easy availability of finance, well-developed network of suppliers and service providers are a must. Also, regulatory issues such as operationalisation of net metering as well as rules for grid interconnections need to be set.

Options for Rooftop Systems

The cost of system with battery back-up is about Rs. 1.20-1.50 lac/kWp & without battery backup is about Rs. 0.80 lac/kWp.

The rooftop SPV system can be installed in two configurations, namely (a) as a standalone system or (b) as a grid interactive system. In urban areas, the grid interactive systems are more feasible than the standalone systems as almost all locations are connected by grid. These grids act as storage for an intermittent source of generation. In the grid interactive systems, there are different grid interconnection configurations depending on the reliability of electricity supply to the loads and the consumer needs. Wherever battery is not envisaged, the solar system can be directly connected to consumer AC bus and the total energy of the solar system will be supplied to consumer/ grid depending upon the requirement of the consumer. Based on above mentioned configurations, following schemes of grid interactive rooftop SPV system have been considered:

Grid Interactive SPV System without Battery Backup

This is a simplest configuration of the grid interactive rooftop SPV system. In this arrangement, inverter, which is heart of the entire SPV system, continuously supervises the grid condition and in the event of grid failure or under voltage or over voltage, the solar system is disconnected by the circuit breaker/auto switch provided in the inverter. Since there is no power back up in the system, it cannot supply the consumer load in the event of grid failure.

Grid Interactive SPV System with Full and Partial Load Battery Backup

In this configuration when the grid is available, consumer loads are fed from grid as well as from solar system with a priority to solar PV system. SPV also feeds to the grid in case of surplus generation. Battery and inverter cum charger are also present in the arrangement. The DC generated from solar is first converted to AC and then it is supplied to other equipment/grid. When grid fails, automatic disconnection from the grid side takes place and solar gets connected to battery system and AC consumer load.

In case of grid interactive rooftop SPV system with partial load battery backup configuration, the basic operation is same as in full load battery backup scheme but bus splitting is necessary in this scheme in the event of grid failure, so as to supply

critical loads as battery backup is not sufficient to feed the entire consumer load. In the event of grid failure, or under voltage or over voltage, inverter disconnects the grid supply and the non-emergency loads. Solar and battery system only gets the emergency loads. Battery system gets charged if battery is not fully charged.

In case where battery is also envisaged, the scheme of connection for solar PV system will depend upon the way the battery is charged. There are two possible ways of charging battery. First one is through AC coupling, i.e., the DC produced by solar is first converted into AC and then this AC is converted to DC by a charger. In this arrangement as long as grid is available, the solar system, consumer, and battery system will be interactive up with the grid. In case of grid failure, rest of the system (solar PV system, battery system and consumer load) would be disconnected from grid and solar will be connected to battery and AC loads through another route. In the second configuration, solar system directly charges the battery through charge controller, i.e., DC coupling. In this arrangement, the AC system is not involved to charge the battery and battery will always be connected to solar system. In case battery is discharged due to any reason, solar system will first charge the battery and the excess generation from the solar will be fed into the grid. This scheme would not reflect the true gross generation produced by the solar PV system.

Business Model for Rooftop Solar

Basically, there are two business models prevailing in the market based on the ownership of the rooftop solar PV system, which includes self-owned solar PV system and third party owned solar PV system. In self-owned system, the roof owner owns, operates, and maintains the roof top SPV system. The generated electricity is either consumed by the end-use loads or supplied to the utility grid or combination of both. In third party owned system, the third party (solar developer/system integrator or any other company) owns the roof top solar PV system and sale electricity either to the roof owner or consumer or both. Third party owned model does not allow roof owner to avail certain financial benefits, such as tax benefits, capital subsidy, etc.

For residential consumers, Accelerated Depreciation (AD) benefit will not be applicable; for third party owned model, AD benefit may be applicable. In third party owned model, there would also be additional benefits, such as economy of scale, and centralized O&M network. The four primary business models are explained below:

Gross metering

(Only Sale of Electricity to Utility) And Self-Owned Model

In this mechanism the rooftop PV system is owned by the roof owner. The entire electricity generated by the rooftop SPV system is supplied to the grid and in return, the system owner gets compensated at a predetermined regulated tariff.

Gross metering

(Only Sale of Electricity to Utility) and Third Party Owned Model

Under this mechanism, the rooftop SPV system is owned by the system integrator/a third party. SPV systems are installed on rooftops (government, residential, public, commercial, industrial, and institutional buildings). In this model, the system owner signs a long term lease agreement with roof owner, invests in equipment, sets up

the projects, and sells the generated energy to the grid. Gandhinagar Rooftop Solar Programme is an example of this model.

Net metering

(Self-Consumption and Supply to Utility Grid) and Self-Owned Model

In this model, the rooftop SPV system is owned by the roof owner. The generated electricity is supplied to roof owner's end-use loads and the surplus power is fed into the grid. The utility can purchase the surplus power or provide banking facility for a particular period of time.

Net metering

(Self-Consumption and Supply to Utility Grid) and Third Party Owned Model

In this model, the third party owns the system. The generated electricity is supplied to the roof owner's end-use loads and the surplus power is fed into the grid. The utility can purchase the surplus power or provide banking facility for a particular period of time. Other possible option could be that the developers/third parties lease out solar PV systems to interested roof owners. The rooftop owners in turn pay developers/third parties a monthly lease rent. The electricity generated from such a system is used to meet the households'/ rooftop owner's energy needs with excess being fed into the grid on net metering basis.

Getting Started

1. Feasibility Assessment

- Site Analysis: Site analysis includes structural analysis of roof, inclination, shadow analysis and accessibility
- Local weather conditions: Output from the solar power plant depends on the solar irradiation, temperature, air velocity
- Electricity consumption pattern: For non battery backed solar power plants, the capacity of the plant has to be designed to match base load of your building/facility to ensure all the power generated is consumed. This is because excess generation cannot be stored and hence will be wasted if not consumed or transmitted to the grid. You can always have battery back up to save this energy but it will add extra cost.
- Location of injection point: The injection point should be located as close as possible to the installation site to minimise electricity losses from cables. More long cables means more losses.

Besides these availability of water for regular cleaning of solar panels to ensure maximum exposure to the sun. Similarly an important point at the initial stage is selection of shadow free space. Since sunlight acts as a fuel, solar panels are always to be faced towards the sun. Sometime, professional help can be taken to undertake resource assessment study of the site. Based on the outcome of the study, the best possible capacity of the system can be assessed. In addition, load bearing capacity of rooftop for the solar system is also equally important.

Detailed engineering can be completed on the basis of a detailed site survey using tools like measuring tape, digital distance detector etc. Shadow casting objects like Parapet wall, air conditioning compressors, trees, tower etc., obstructions like water tanks and water pipelines etc. is noted carefully to do best optimised engineering.

2. Selecting the Right Vendor

The capabilities of vendor in your region can be assessed using parameters such as number of previous projects commissioned by the vendor, number of satisfied customers, financial position, number of technicians available in your city, type and technical credibility of critical components that vendor has proposed to you as well as to other customers, etc. Life of solar power project is about 25 years. Hence, it is always importance to use only quality material. Other factors such as details of Operations & Maintenance contract need to be carefully checked.

MNRE website lists the details of empanelled manufacturers/suppliers and accredited channel partners for different type of solar devices/installation. Channel partners are also graded by rating agencies, which will make selection much easier and transparent.

3. Installation and Commissioning

This is the phase of actual construction and commissioning of the plant. There are multiple factors to be considered:

- Plant design: Design includes module disposition, plant layout, electrical layout and connections, sizing of equipment, earthing and other electrical protections, and matching electrical design to the existing electrical system of your facility.
- Equipment selection: Selection of equipment is crucial for performance and life of the solar power plant. Selection is done based on system sizing determined in design phase, equipment cost, standards and certifications of equipment, warranties and guaranties provided, reliability and reputation of the vendor.

Most of the companies provide power range from 50-260 Wp (approx) with the efficiency of approx 14-19 per cent , depending on conditions.

- Permissions & grants: In India, permission from Electrical Inspector is required for commissioning of power plants with capacity higher than 10 kW. For higher installation power system, various policies and offered subsidies to check and accordingly required to approach authorities.
- Installation: This process involves civil work for installing the mounting structures, mounting of the solar panels on the mounting structures, installation of the remaining equipment as per the layout can cabling.
- Commissioning: During commissioning, the solar power plant is checked to ensure it is structurally and electrically safe, structurally robust to operate for the specified project lifetime and the performance is as per estimations.

4. Operations and Maintenance

Typically, the vendor provides the O&M services for the initial 2-5 years. Post this, the existing contract can be extended or new contract can be signed with a third party service provider. O&M will also depend upon the business model the consumer has chosen. If the rooftop is leased to third party, it takes care of the O&M.

Resource: TERI 2014/Reaching the sun with rooftop solar

Considerations for Solar Roof-Top

Solar Roof-top is a proven technology and has been adopted world-wide in a big way. There is a big push to solar roof-top in India as well. There are a few important considerations/decision factors while installing a solar roof-top. These considerations are applicable whether you are an individual house owner, an apartment society or commercial/industrial entity. Please note that these considerations are applicable for the entities which have an existing source of power – state electricity grid or diesel generator. Let us look at them:

Know Your Energy Profile: It is important to know your energy profile. One should know the maximum and minimum power demand in kW during the month and year as well as the typical day/time when the maximum /minimum demand occurs. Please also get an estimate of your average demand in kW during the day and average demand during the night as well. One may require more information as well.

Know Solar Generation Potential: Please get to know your solar roof-top generation capacity. A simple rule of thumb is that a 10 sq meter space is needed for 1 kW of solar. A more detailed analysis of the location, angle, solar position, shaded area can be done in a survey by a vendor. Please get more than one surveys done.

Off Grid vs On Grid: Let us first de-mystify these terms. Off-grid means the solar power generated can be exported back to the distribution grid while on-grid means that the solar power can be exported to the grid.

A net metering policy has been announced by the Haryana Electricity Regulatory Commission (HERC). An important element of this policy is that an on-grid system can export the surplus power during the day and import the power back during the night. Net metering works on the settlement basis and not on the sale of power basis (you can settle export with import and would not get paid for net export in Haryana).

To take this decision, please compare the energy profile with generation potential. If generation potential is more or less equal or less than minimum demand in a year, please go for off-grid.

If generation potential is more than the maximum demand or significantly higher than average daily demand, then on-grid installation can be considered (the decision then shifts on the capital /investment considerations).

If you have very low average demand during the nights (say an office closing at 5-6 pm), do not consider the on-grid option.

For other scenarios, more technical and commercial deliberations are needed to decide on-grid vs off-grid.

Battery Back-up: We recommend that do not consider battery back-up for solar power. It is very inefficient, expensive, takes significant space and requires more maintenance. If you have significant generation potential than your demand in the day, go for net metering. Consider net metering as your battery back-up.

Cost of Solar Power: The next thing is to understand the cost of solar power. The capital cost of solar power could be about Rs 1.4 lac per kW for kW range capacity

and could be Rs 1 per kW for 100 kW range. Please do get an exact quote from your vendors. To determine levelised or annualised cost of power, please consider the life of system as 25 years, efficiency reduction of 10 per cent in 25 years and plant load factor of 20 per cent. On an average the solar power is available for 5 hours during the day.

Compare cost of Solar Power with Grid Power: Unless, you are surviving only on DG back-up or DG back-up is more than 15 per cent of your power intake, do not compare the cost of solar power with the cost of DG power. In a normal scenario, solar power does not replace an emergency power source such as DG rather it replaces the regular power source. Calculate the saving potential and work out your return on investment. Budget an average 8 per cent increase in the cost of grid power

If you are commercial/industrial entity, you be rest assured that you would get return on investment (ROI) in 3-5 years. If you are a domestic consumer or condominium, you would get ROI in 8-10 years. One should do a different financial analysis. One should calculate the net present value of the solar investments and you would be pleased with the NPV of solar investment.

Do not keep subsidy as well as mandatory provisioning of solar power in your calculations at this stage. Only if you decide that you do not want to set-up solar power based on the above considerations, please look at the mandatory requirements and fulfill those requirements.

We believe that the following are the main impediments in the adoption of solar roof-top

Lack of Awareness: We hope that awareness about solar will improve with time.

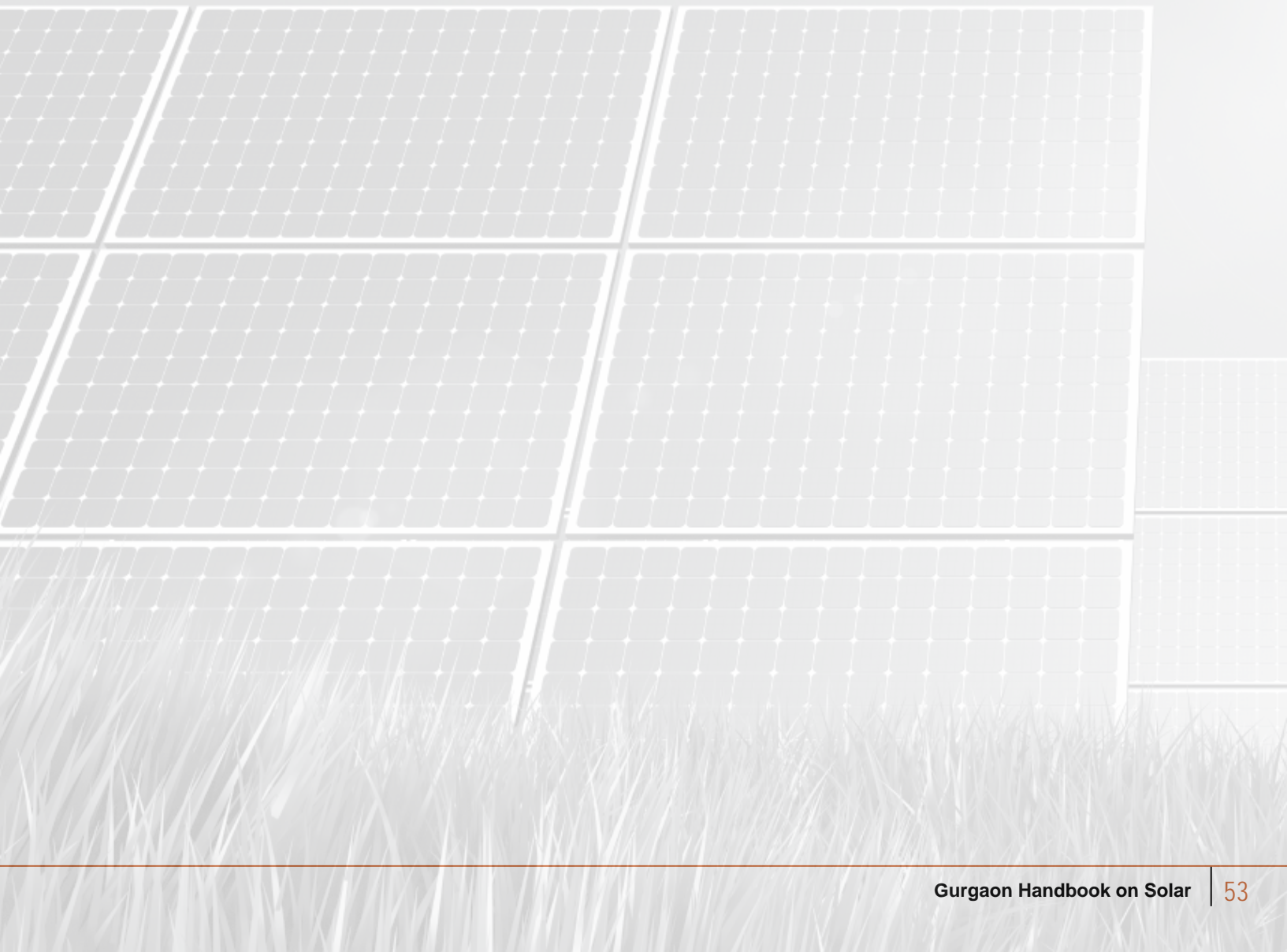
Issue of Capital: It is not very easy to get funding for solar roof-up in spite of all the push by the government.

Selection of Vendors: There is a problem of plenty and there is an issue of many fly-by-night operators. Every vendor does not focus on every size segment.

We do see a day when solar roof-top would become an integral structure of urban landscape. The sooner we get there, the better it is going to be for the environment and economy.

**Views of Atul Agrawal
CEO and Founder
Innologix Consulting Pvt. Ltd.**

CENTRAL AND STATE ENTITIES



CENTRAL ENTITIES

Ministry of Power

The Ministry of Power (MoP) is primarily responsible for the development of electrical energy in the country. It is concerned with perspective planning, policy formulation, processing of projects for investment decision, monitoring power projects, training and manpower development and the administration and enactment of legislation in regard to thermal, hydro power generation, transmission and distribution. It is also responsible for research, development and technical assistance relating to hydro and thermal power, transmission and distribution systems in the states and union territories. It is responsible for the administration of the Electricity Act, 2003, the Energy Conservation Act, 2001 and to undertake such amendments to these Acts, as may be necessary from time to time.

Contact:

Ministry of Power
Shram Shakti Bhawan,
New Delhi-110001
Email: piyush.goyal@gov.in
Website: www.powermin.nic.in

Title	Name	Contact	Email
Minister of State (Independent Charge) for Power	Mr. Piyush Goyal	011 23717474, 23710411	piyush.goyal@nic.in
Secretary (Power)	Mr. Pradeep Kumar Sinha	011 23710271, 23711316	secy-power@nic.in
Special Secretary	Mr. Devendra Chaudhary	011 23714009	dch-mop@nic.in
Special Secretary	Mr. R.N. Choubey	011 23715378	as-power@nic.in
Joint Secretary (Hydro including CPSU's NHPC, SJVNL, NEEPCO, THDC)	Mr. Arun Kumar Verma	011 23714367	Arun.verma@nic.in
Joint Secretary (Information Technology. Energy Conservation. International Cooperation)	Mr. Satish Kumar	011 23716020	satish@arpg.nic.in
Joint Secretary (APDRP, PFC, RE, RGGVY, REC, Demand Side Management, National Electricity Fund)	Mr. B.N. Sharma	011 23710199	b.narayan@nic.in
Joint Secretary (Thermal, NTPC, DVC, Ultra Mega Power Project, IPP, Fuel Supply, V&S)	Mr. Anil Kumar Singh	011 23714842	Singh.anilkr@nic.in
Joint Secretary (R&R Nodal Officer for Open Access in Transmission & Distribution, PGCIL)	Ms. Jyoti Arora	011 23710389	j.arora@nic.in

Ministry of New and Renewable Energy

The Ministry of New and Renewable Energy (MNRE) is the nodal ministry of the Government of India for all matters relating to new and renewable energy. Its aim is to develop and deploy new and renewable energy for supplementing the energy requirements of the country. The role of new and renewable energy has been assuming increasing significance in recent times with the growing concern for the country's energy security. In 1982, the ministry existed as a department, i.e., Department of Non-conventional Energy Sources, and in 1992 became the Ministry of Non-conventional Energy Sources. In October 2006, the Ministry was re-christened as the Ministry of New and Renewable Energy.

Contact:

Ministry of New and Renewable Energy
Block-14, CGO Complex,
Lodhi Road, New Delhi-110 003
Email: piyush.goyal@gov.in
Website: www.mnre.gov.in

Title	Name	Contact	Email
Minister of State (Independent Charge) for Power	Mr. Piyush Goyal	011 23717474, 23710411	piyush.goyal@nic.in
Secretary	Mr. Upendra Tripathy	011-24362772	secy-mnre@nic.in
Joint Secretary & Financial Advisor	Mr. J.B. Mohapatra	011-24362308	faoffice.mnre@gov.in
Joint Secretary (National Solar Mission, Solar Thermal & PV R&D, UNDP, SECI, NISE)	Mr. Tarun Kapoor	011-24360359	tarun.kapoor@nic.in
Joint Secretary (Onshore & Offshore Wind Energy, Offshore pilot project [Wind], Administration of GBI, NIWE, IREDA, HRD & Training)	Ms. Varsha Joshi	011-24361027	varsha.joshi@nic.in
Economic Advisor (Planning and Coordination, National Monitoring Cell, Development of Management Information System)	Dr. J.C. Sharma	011-24363546	sharma.jc@nic.in
Scientist-G/Advisor (Solar Cities and Green Buildings, UNDP, Biomass Power/Cogeneration [bagasse], Cogeneration in non-bagasse industries)	Mr. N.P. Singh	011-24362288	npsinghmnes@nic.in
Scientist-G/Advisor (National Institute of Solar Energy - Gurgaon, Standardization of Solar Products, Certification of Solar Products)	Dr. Praveen Saxena	011-24362706	psaxena@nic.in
Scientist-G/Advisor (Biogas, Battery Operated Vehicles, Waste to Energy, Municipal Solid Waste based Pilot Projects)	Shri. A.K. Dhussa	011-24364188	akdhussa@nic.in
Director (Solar Cities, Green Buildings, Grid Rooftop, Griha, Akshay Urja)	Dr. Arun K Tripathy	011-24363035	aktripathi@nic.in

Statutory Bodies

Central Electricity Authority

Headquartered in New Delhi, the main functions of Central Electricity Authority (CEA) is to advise the Central Government on the matters relating to the national electricity policy, formulate short-term and perspective plans for development of the electricity system and coordinate the activities of the planning agencies for the optimal utilisation of resources to subserve the interests of the national economy and to provide reliable and affordable electricity to all consumers. Presently, there are six wings in CEA namely planning, hydro, thermal, grid operation & distribution, economic & commercial and power system, each headed by a Member of the Authority. Other functions include setting the technical standards for construction of electrical plants, electric lines and grid connectivity; specifying the safety requirements for construction, operation and maintenance of electrical plants and electric lines; specifying the grid standards for operation and maintenance of transmission lines; specifying the conditions for installation of meters for transmission and supply of electricity; assisting in the timely completion of schemes and projects and promoting research.

Contact:

Central Electricity Authority
Sewa Bhawan, Rama Krishna Puram
New Delhi-110066
Website:www.cea.nic.in

Title	Name	Contact	Email
Chairperson	Shri Major Singh	011 26732201	chair@nic.in
Secretary	Shri P.D. Siwal	011 26732203	pdsiwal@yahoo.com
Member-Hydro & Thermal	Shri K.N. Garg	011 26732701	kngarg@gmail.com
Member-Planning, Power System, GOD	Shri Major Singh	732601, 26732301	memberplanning@nic.in

Central Electricity Regulatory Commission

Formed under the Electricity Regulatory Commissions Act, 1998 in 1998, Central Electricity Regulatory Commission (CERC) is the central electricity regulatory body to promote competition, efficiency and economy in bulk power markets, improve the quality of supply, promote investments and advise government on the removal of institutional barriers to bridge the demand supply gap and thus foster the interests of consumers. Some of its specific objectives are regulating the tariff of generating companies owned or controlled by the Central Government; regulating the inter-state transmission of electricity and determine tariff for inter-state transmission of electricity; to issue transmission licensee and electricity trader with respect to their inter-state operations; to specify grid code having regard to grid standards and to specify and enforce the standards with respect to quality, continuity and reliability of service by licensees; to fix the trading margin in the inter-state trading of electricity, if considered, necessary. Some of its advisory functions are formulation of National Electricity Policy and Tariff Policy; promotion of competition, efficiency and economy in the activities of the electricity industry and promotion of investment in electricity industry.

Contact:

Central Electricity Regulatory Commission
3rd & 4 th Floor, Chanderlok Building
36, Janpath, New Delhi- 110001
Phone: 91-11-23353503
Website: www.cercind.gov.in

Title	Name	Contact	Email
Chairperson	Mr. Gireesh B. Pradhan	011 23753911	chairman@cercind.gov.in
Secretary	Ms. Shubha Sarma	011 23753915	secy@cercind.gov.in
Member	Mr. A.S. Bakshi	011 23753912	asbakshi@cercindind.gov.in
Member	Mr. A.K.Singhal	011 23753914	aksinghal@cercind.gov.in
Chief (Finance)	Mr. M.K. Anand	011 23753918	mkanand@nic.in
Chief (Engineering)	Mr. A.K.Saxena	011 23753917	chiefengg@cercind.gov.in
Chief (Legal)	Mr. T.Rout	011 23753916	trout@cercind.gov.in

Institutes/Agencies under MNRE

National Institute of Solar Energy

Located in Gurgaon, National Institute of Solar Energy (NISE), an autonomous institution of MNRE, is the apex national R&D institution in the field of solar energy. The Government of India has converted 25 year old Solar Energy Centre (SEC) under MNRE to an autonomous institution in September, 2013 to assist the Ministry in implementing the National Solar Mission and to coordinate research, technology and other related works. The institute is involved in demonstration, standardisation, interactive research, training and testing solar technologies and systems. It is an effective interface between the Government and institutions, industry & user organisations for development, promotion and utilisation of solar energy. It is maintaining a National Accreditation Board for Testing and Calibration Laboratories accredited Solar Photovoltaic module testing laboratory, lighting system test laboratory, battery testing facility and a water pumping system test rig and outdoor testing facilities. The centre has fully developed testing facility for small and large size solar thermal systems.

Contact:

National Institute of Solar Energy
19th Milestone, Institutional
Area, Gurgaon-Faridabad Road,
Gwalpahari, Gurgaon, Haryana
Email: os.sastry@nic.in

Contact:

National Institute of Wind Energy
 Velachery - Tambaram Main Road
 Pallikaranai, Chennai - 600100
 Phone: +91-44-2246 3982/3983/2246
 E-mail: info.niwe@nic.in
 Website: www.niwe.res.in

National Institute of Wind Energy

National Institute of Wind Energy (NIWE) has been established in Chennai in the year 1998, as an autonomous R&D institution by the MNRE, Government of India. It is a knowledge-based institution and offers services and seeks to find complete solutions for difficulties and improvements in the entire spectrum of the wind energy sector by carrying out further research.

Contact:

Sardar Swaran Singh National Institute of Renewable Energy
 12th K.M. Stone, Jalandhar
 Kapurthala Road, Wadala Kalan
 Kapurthala - 144601, Punjab
 Phone: +91 1822 255544
 Email: info@nire.res.in
 Website: www.nire.res.in

Sardar Swaran Singh National Institute of Renewable Energy

Sardar Swaran Singh National Institute of Renewable Energy (SSS-NIRE), Kapurthala (Punjab) is an autonomous Institution of the MNRE, Government of India. The Institute is developing into a centre of excellence in the biomass energy. The objective of the Institute is to carry out and facilitate research, design, development, testing, standardisation & technology demonstration with a focus on bioenergy, biofuels & synthetic fuels in solid, liquid & gaseous forms for transportation, portable & stationary applications and development of hybrid/integrated energy systems.

Contact:

Indian Renewable Energy Development Agency Limited
 3rd Floor, August Kranti Bhawan
 Bhikaji Cama Place
 New Delhi - 110 066
 Phone: 011 26717400,
 26717412, 24682206 - 24682219
 Email: cmd@ireda.gov.in
 Website: www.ireda.gov.in

The Indian Renewable Energy Development Agency

Established in 1987 as a public limited government company, Indian Renewable Energy Development Agency (IREDA) promotes, develops and extends financial assistance for Renewable Energy and Energy Efficiency/Conservation Projects. IREDA has been notified as a "Public Financial Institution" under section 4 'A' of the Companies Act, 1956 and registered as Non-Banking Financial Company with Reserve Bank of India. The main objectives of IREDA is to give financial support to specific projects and schemes for generating electricity through new and renewable sources and conserving energy through energy efficiency.

Contact:

Solar Energy Corporation of India
 1st Floor, D-3, A Wing, Religare Building
 District Centre, Saket
 New Delhi - 110017
 Phone: 011-71989200
 Email: corporate@seci.gov.in
 Website: www.seci.gov.in

Solar Energy Corporation of India

Solar Energy Corporation of India (SECI) is a not-for-profit company under Section-25 of the Companies Act 1956 under the administrative control of the Ministry of New and Renewable Energy, Government of India. Its main function is to facilitate implementation of JNNSM. The Corporation has the objective of developing solar technologies and ensuring inclusive solar power development throughout India, develop ultra mega and large scale solar plants including Solar Parks; to own, operate, develop & manage both grid connected & off grid solar installations and to take up energy access programs for rural and remote areas through solar energy.

STATE ENTITIES

Overview and Historical Perspective

The Government of Haryana recognising the importance of power sector reforms undertook the unbundling of erstwhile Haryana State Electricity Board (HSEB) in 1998 and separated generation and transmission and distribution functions. Haryana in fact is the second state in India to initiate the process of restructuring of the power sector after Odisha. The erstwhile HSEB was unbundled into two corporate bodies namely Haryana Power Generation Corporation Limited (HPGCL) for the generation of power and Haryana Vidyut Prasaran Nigam Limited (HVPNL) for the transmission & distribution of power within the state of Haryana. Then, HVPNL was further reorganised on July 1, 1999 by carving out two more Corporations for electricity distribution and trading, namely Uttar Haryana Bijli Vitran Nigam Ltd. (UHBVNL) for north of Haryana and Dakshin Haryana Bijli Vitran Nigam Ltd. (DHBVNL) for south of Haryana.

Department of Power, Haryana

The Haryana Power sector comprises of four wholly state-owned corporations. These are HPGCL for generation, HVPNL for transmission, and UHBVNL and DHBVNL (both for distribution and trading). Besides Haryana Renewable Energy Development Agency (HAREDA) looks after the renewable sector in the state. In 1998, an independent state regulatory body i.e. Haryana Electricity Regulatory Commission (HERC) was constituted to regulate the power utilities and balance the interest of various stakeholders in the sector. The utilities and the HERC work under the administrative control of the Department of Power which is headed by Principal Secretary, Power.

Contact:

Department of Power, Haryana
New Secretariat, Sector 17
Chandigarh 160001
Phone: 0172-2572997, 2711758,
2740884

Title	Name	Contact	Email
Ministry of Renewable Energy	Mr. Manohar L. Khattar	0172-2747396	contact@manoharlalkhattar.in
Addl. Principal Secretary, Power	Mr. Rajan Kumar Gupta	0172-2740960	guptark@hry.nic.in
Addl. Principal Secretary, Renewable Energy Department	Mr. Rajan Kumar Gupta	0172-2740960	guptark@hry.nic.in

Haryana Electricity Regulatory Commission

Haryana Electricity Regulatory Commission (HERC) was established in 1998 as an independent statutory body corporate as per the provision of the Haryana Electricity Reform Act, 1997. HERC is a three-member statutory body including the chairperson with specialised supporting staff. Its functions include determination of tariff for generation, supply, transmission and wheeling of electricity, wholesale, bulk or retail, as the case may be, within the state. It also regulates electricity purchase and procurement process of distribution licensees including the price at which electricity shall be procured

Contact:

Haryana Electricity Regulatory Commission
Bays 33-36, Sector 4
Panchkula-134112 Haryana
Phone: 0172-2582531
Fax: 0172-2572359
E-mail: secretary.herc@nic.in
Website: www.herc.nic.in

from the generating companies or licensees or from other sources through agreements for purchase of power for distribution and supply within the state. It also promotes cogeneration and generation of electricity from renewable sources of energy by providing suitable measures for connectivity with the grid and sale of electricity to any person, and also specify, for purchase of electricity from such sources, a percentage of the total consumption of electricity in the area of a distribution license.

Title	Name	Contact	Email
Chairperson	Mr. Jagjeet Singh	0172-2572997	chairman.herc@nic.in
Member	Mr. M.S Puri	0172-2572996	member2.herc@nic.in
Commission's Secretary	Mr. S.R. Vashista	0172-2582531	secretary.herc@nic.in
Director (Tariff)	Mr. Sanjay Varma	0172-2572395	dir-trf.herc@nic.in
Director (Technical)	Mr. S.L. Kansal	0172-2563029	dir-tech.herc@nic.in
Deputy Director (Distribution)	Mr. H.C. Pant	0172-2572900	ddd1.herc@nic.in
Deputy Director (Transmission)	Mr. B.K. Ashta	0172-2584052	ddt.herc@nic.in

Haryana Power Generation Corporation Limited

Contact:

Haryana Power Generation Corporation Limited
Urja Bhawan
C-7, Sector-6, HPGCL
Panchkula 134109, Haryana
Phone: 0172-5023444
Fax: 0172-5022432
Website: www.hpgcl.gov.in

Haryana Power Generation Corporation Limited (HPGCL) was incorporated as a company in 1997 with the responsibility of operating and maintaining state's own generation projects. Its total capacity is 5,300 MW, including thermal and hydel capacities. Its main plants are Panipat Thermal Power Plant (Panipat), Deen Bandhu Chhottu Ram Thermal (Yamuna Nagar), Rajiv Gandhi Thermal Power Plant (Khedar) and Indira Gandhi Super Power Thermal Plant (Jajjar).

Title	Name	Contact	Email address
Addl. Principal Secretary (Power), Chairman	Mr. Rajan Gupta	0172-2740960	chairmanpu@gmail.com
Managing Director	Mr. M.K.V. Rama Rao	0172-5022402	md@hpgcl.gov.in
Director (Technical)	Mr. J.P. Agrawal	0172-5022409	jp.agrawal@hpgcl.gov.in
Director (Generation)	Mr. S.C. Jain	0172-5022403	scjain@hpgcl.gov.in

Haryana Vidyut Prasaran Nigam Limited

Contact:

Shakti Bhavan, Sector 6
Panchkula, Haryana-134109
Phone: 0172-2561931
Gurgaon Office: Sector 72
Gurgaon-122004
Phone: 0124-2320318,
9313472673, 9310404372
Email: setsggn@hvpn.gov.in,
xentsggn@hvpn.gov.in
Website: www.hvpngl.gov.in

At the time of restructuring in 1998, the transmission and distribution businesses of the erstwhile HSEB were transferred to Haryana Vidyut Prasaran Nigam Limited (HVPNL). In 1999, its distribution business was transferred to UHBVNL & DHBVNL. The company holds business license issued by HERC for transmission and bulk supply of power in Haryana. Its objectives are planning, design, construction, erection and maintenance of transmission lines and sub-stations of voltage level 66KV & above.

Title	Name	Phone No.	Email address
Chairman	Mr. Rajan Kumar Gupta	0172-2560815	chairman@hvpngl.gov.in
Managing Director	Mr. Nitin Kumar Yadav	0172-2560579	md@hvpngl.gov.in

Distribution Companies

Dakshin Haryana Bijli Vitran Nigam

Headquartered in Hisar, Dakshin Haryana Bijli Vitran Nigam (DHBVN) Limited is one of the two electricity distribution companies of Haryana. Its operations are divided into six circles, namely, Hissar, Narnaul, Bhiwani, Gurgaon, Faridabad and Sirsa. DHBVN serves about 2.50 million consumers with revenue of Rs. 84.07 billion. It distributes about 4,368 MW of electricity and has AT&C losses of 23.29 per cent.

Title	Name	Contact	Email
Chairman	Mr. Rajan Kumar Gupta	0172-2740960	chairman@dhbvn.gov.in
Managing Director	Mr. Arun Kumar Verma	01662-223734 01662-223392	mddhbvn10@gmail.com

Contact:

Dakshin Haryana Bijli Vitran Nigam
Vidyut Sadan, Vidyut Nagar, Hisar
125005, Haryana
Phone: 0166-2221527

Gurgaon Office: Operational Circle,
Mehrauli Road, Near Dev Cinema,
Near City Police Station
Gurgaon, Haryana
Phone: 0124-2306590
Email: se.gurgaon@gmail.com
Website: www.dhbvn.org.in

Uttar Haryana Bijli Vitran Nigam

Uttar Haryana Bijli Vitran Nigam (UHBNV) Limited is one of the two electricity distribution companies in Haryana. It is responsible for power distribution in 11 districts of northern Haryana namely Panchkula, Ambala, Yamunanagar Krukshetra, Kaithal, Karnal, Panipat, Sonapat, Rohtak, Jhajjar and Jind. It serves about 2.07 million consumers with revenue of Rs. 81.08 billion. It has AT&C losses of 34.01 per cent.

Title	Name	Contact	Email
Chairman	Mr. Rajan Kumar Gupta	0172-2740960	guptark@hry.nic.in
Managing Director	Mr. Anil Malik	0172-2572535	pamduh@gmail.com

Contact:

Uttar Haryana Bijli Vitran Nigam
Vidyut Sadan, Plot No. C-16, Sector-6
Panchkula, Haryana
Phone: 0172-2572535
Email: feedback@uhbvn.com
Website: www.uhbvn.com

Haryana Renewable Energy Department Agency

Haryana Renewable Energy Department Agency (HAREDA) was established in 1997 to assist the Department of Renewable Energy, Haryana. It is responsible for formulating policies and programmes necessary for popularising various non-conventional and renewable sources of energy in the state. It is implementing various schemes for solar energy, biogas, biomass energy etc. HAREDA is also acting as a state designated agency for the implementation of the Energy Conservation Act, 2001 in the state to take full advantage of fiscal and financial incentives by MNRE and IREDA. HAREDA has been implementing solar thermal, solar PV schemes and solar plants in the state.

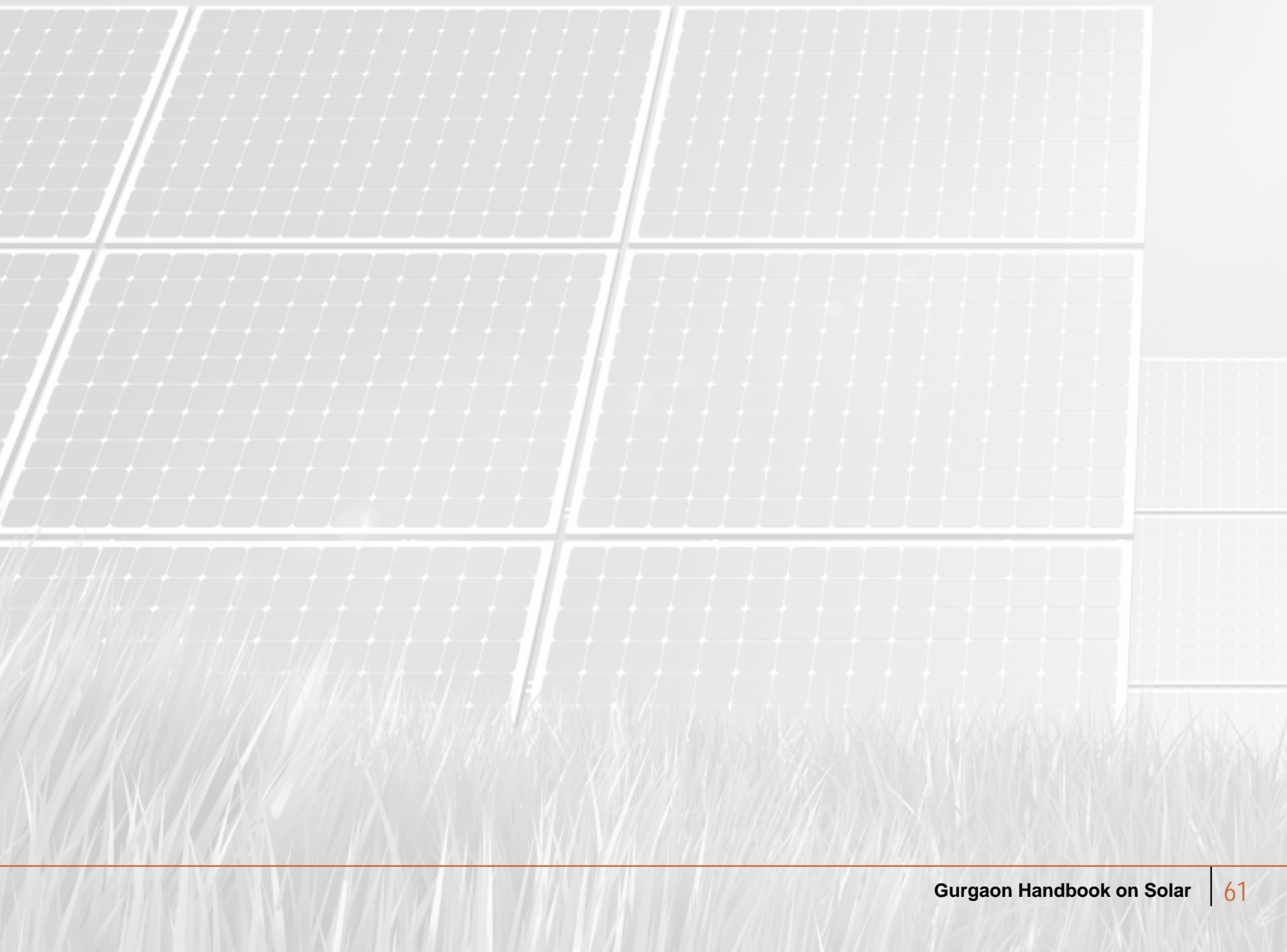
Title	Name	Contact	Email
Minister in-Charge	Mr. Manohar L. Khattar	0172-2749396	contact@manoharlalkhattar.in
Director	Mr. Balraj Singh	0172-2585433	drehareda@gmail.com
Project Director	Mr. Om Dutt Sharma	0172-2586933	omsharma@gmail.com
Additional Director	Mr. D.K. Chopra	0172-2585433	dk.chopra@yahoo.co.in

Contact:

Renewable Energy Department,
Haryana
Akshay Urja Bhawan
Institutional Plot No-1, Sector-17
Panchkula 134109, Haryana
Phone: 0172- 2583033
Email: drehareda@gmail.com
Website: www.hareda.gov.in
Gurgaon Office: Vikas Sadan
Opposite Mini Secretariat, Gurgaon
Phone: 0124-2339658

POTENTIAL SELLERS

The Solar Market



OVERVIEW

India has a fairly well-developed solar market, both in terms of product as well as functionality. The solar product market comprise of Solar PV, Solar Thermal (water heaters etc) and Solar Lighting (LED, Lanterns etc). In functionality, there are project developers, equipment manufacturers as well as EPC players. Some players have diversified into solar from other businesses while others are purely in the solar space. There is a conspicuous presence of international players (especially Chinese) as well.

Project developers typically plan as well as execute projects and arrange finances on their own. Manufacturers produce the solar equipment, and sell it either under their brand name or manufacture it for a third party. EPC players essentially are system integrators that install the equipment as per the consumer choice and requirement and sometimes provide the after-sales service as well. Some players are integrated across the value chain. Moser Baer, Waaree, Tata Power Solar and Vikram Solar are both manufacturers as well as EPC players as well. The EPC space is increasingly becoming very competitive with more than 3,000 registered players across India.

Large players such as Jakson, C&S Electric, Moser Baer, Mahindra, Punj Lloyd, VS Saurya EnerTech, Reliance Industries, Tata Power Solar, Vikram Solar are present across the spectrum of products with presence in all three key segments, Solar Lighting, Solar Thermal and Solar PV. The solar lanterns, cookers and lights have a presence of large number of unorganised players as well.

The solar finance industry is also fairly diverse. Capital subsidies and soft loans are granted by the Government, either directly through MNRE or through IREDA. There also exist innovative models such as tax-free infrastructure bonds and the take-out finance schemes offered by India Infrastructure Finance Company Limited (IIFCL). Besides, several multilateral agencies, commercial banks and Non Banking Finance Companies are involved in financing solar projects.

In this section, we provide you contact details of players in each of the solar product line. This is however a representative list and not a comprehensive list. Players empanelled by the MNRE have been highlighted for your ready reference. Gurgaon based players are tinted in grey.

Solar PV: Manufacturers

Company Name	Website Name	Phone No.	Email Address	Address
Ammini Solar*	www.ammini.com	0471-3060200	solar@ammini.com	Plot No. 33-37, KINFRA Small Industries Park, St.Xavier's College Post, Trivandrum 695586, Kerala
Agni Power & Electronics*	www.agnipower.com	033-24127367	info@agnipower.com	10/72, Bijaygarh, Kolkata 700092, West Bengal
Access Solar	www.accesssolar.net	040-23076010, 23077797	psn@accesssolar.net	Plot No. 104, Prashanti Nagar, I.E. Kukatpally, Hyderabad 500072, Andhra Pradesh
Ajit Solar	www.ajitsolar.com	0141-2371166	ajitsolar@ajitgroup.com	National Motors Building, MI Road, Jaipur 302001, Rajasthan
Akshaya Solar Power India	www.akshayasolar.com	040-40064523	raju@akshayasolar.com	Plot No. 60/C/E, 1st and 2nd Floors Phase I, IDA, Jeedimetla, Hyderabad 500055, Andhra Pradesh
Arnima Ventures LLP	www.av-energies.com	0124-2578610	sales@av-energies.com	Suite No. 009, 4th Floor, Times Square, Sushant Lok- 1, Gurgaon - 122002, Haryana
Andromeda Energy Technologies*	www.andromedasolar.com	040-27803147	info@andromedasolar.com	No. 9-1-18 to 24, No. 4, S.P. Road, Secunderabad 500003, Andhra Pradesh
Advanced Mechatronic Solutions	www.roshneesolar.com	91-9971182812	rahul@advancedms.in	Plot No. 543- J, Pace City-2, Sector-37, Gurgaon 122001, Haryana
Bharat Heavy Electricals	www.bhel.com	011-66337000	query@bhel.com	BHEL House, Siri Fort 110049, New Delhi
Bharat Electronics*	www.bel-india.com	080-25039300	rodel@bel.co.in	Outer Ring Road, Nagavara , Bangalore 560045, Karnataka
Communication and Engineering*	www.casesolar.net	011-26892259	case_solar@yahoo.co.in	D-1/1152, Vasant Kunj 110070, New Delhi
Chloride Power Systems & Solution*	www.chloridepowersystems.com	033-23575851	info@chloridepower.co.in	Plot No. Y-21, Block-EP, Sector- 5, Salt Lake Electronics Complex, Kolkata 700091, West Bengal
Central Electronics	www.celindia.co.in	0120-2895155	cmd@celsolar.com	4, Industrial Area, Sahibabad 201010, Uttar Pradesh
Centrotherm Photovoltaics India	www.centrotherm.de	080-41666696	pv-sales@centrotherm.de	No. 3, 2nd Floor, AVS Compound, 80 Feet Peripheral Road, 4th Block, Koramangala, Bengaluru 560034, Karnataka
Chemtrols Solar	www.chemtrolssolar.com	022-67151200	solarinfo@chemtrolssolar.com	Amar Hill, Saki Vihar Road, Powai, Mumbai 400072, Maharashtra
CNPV Solar Power	www.cnpv-power.com	080-40407208	marketing@cnpv-power.com	Suite No. 208, DBS House No. 26, Cunningham Road, Bengaluru 560052, Karnataka
Conergy Energy Systems (India)*	www.conergy.in	080-41880900	info-india@conergy.com	660/1, Indiranagar, 100 Feet Road, Bengaluru 560038, Karnataka
DR Solar Systems	www.drsolarsystems.com	0120-4107206	info@drsolarsystems.com	Plot No- 63, LGF- 06, Bhardwaj Arcade, Sector -10D, Vasundhara, Ghaziabad-201012, Uttar Pradesh
DuPont India	www.dupont.co.in	0124-4091818	info@dupont.co.in	7th Floor, Tower C, DLF Cyber Greens, Sector 25A, DLF City, Phase III, Gurgaon 122002, Haryana

Company Name	Website Name	Phone No.	Email Address	Address
Environ Energy Corporation India*	www.bhaskarsolar.com	033-24533523/ 24	info@bhaskarsolar.com	60A, Diamond Harbour Road, Kolkata 700063, West Bengal
Evergreen Solar Systems India	www.evergreensolar.in	0422-2642564	info@evergreensolar.in	Sulochana Mills Campus, Mettupalayam Road, Vadamadurai, Coimbatore 641017, Tamil Nadu
Euro Multivision	www.euromultivision.com	022-40364036	pvcell@euromultivision.com	F 12, Ground Floor, Sangam Arcade, Vallabhbhai Road, Vile Parle(West), Mumbai 400056, Maharashtra
EMMVEE Photovoltaic Power*	www.emmveepv.com	080-43233511	info@emmvee.in	13/1, International Airport Road, Sonnappanahalli, Bengaluru 562157, Karnataka
Ecoprogetti	www.ecoprogetti.com	022-24320061	minal.gala@ecoprogetti.com	C 8, Prime Showcase, BM Road, Elphinstone-West, Mumbai 400013, Maharashtra
Easy Photovoltech*	www.easyphotovoltech.com	0120-3274143	info@easyphotovoltech.com	Solar Cottage Duhai, Delhi Merrut Road, Ghaziabad 201001, Uttar Pradesh
First Solar Power India	www.firstsolar.com	011-66543730	india@firstsolar.com	902, Eros Corporate Tower, Nehru Place 110019, New Delhi
Goldi Green Technologies	www.goldigreen.in	0261-3099999	info@goldigreen.in	Shop No. 2, Suraj Darshan Apartment Pajwa Falia, Katargam Road, Surat 395004, Gujarat
Green Brilliance Energy	www.greenbrilliance.com	0265-2281658	info@greenbrilliance.com	A 1/3-4, BIDD Industrial Estate, Gorwa, Vadodara 390016, Gujarat
Genus Power Infrastructures	www.genus.in	0141-7102400 / 500	ecc@genus.in	SPL-3, RIICO Industrial Area, Sitapura, Tonk Road, Jaipur 302022, Rajasthan
Gautam Solar Pvt*	www.gautamsolar.com	91-9643104315	solarlights@gautamsolar.com	F-33, Okhla Industrial Area, Phase-1, 110020, New Delhi
Hi-Lite Enterprises*	www.hiliteinc.com	0522-2788624	Hilite293@gmail.com	B-61, Indira Nagar, Lucknow 226016, Uttar Pradesh
HHV Solar Technologies	www.hhvsolar.com	080-22633700	info@hhvsolar.com	Nos. 31-34 and 37, KIADB Industrial Area, Dodbaspet, Neelamangala Taluka, Bengaluru 562111, Karnataka
Hollandia Power Solution	www.hollandiapowersolutions.com	0124-2355534/4251010	india@hollandiapower.com	No. 94, National Media Centre, Shanker Chowk, NH - 8, Gurgaon 122 002, Haryana
Indosolar	www.indosolar.co.in	0120-4762500	info@indosolar.co.in	3C/1, EcoTech II, Udyog Vihar, Greater Noida 201306, Uttar Pradesh
IG Solar	www.igsolar.in	0124-3251076/86	office@indogermansolar.com	Dhoraka, Sector-95, Pataudi Road, Gurgaon 122505, Haryana
ICOMM Tele	www.icommtele.com	040-23552222	Info@icommtele.com	ICOMM House, Plot No. 31, Phase-I, Kamalapuri, Srinagar Colony, Banjara Hills, Hyderabad 500073, Andhra Pradesh
Jain Irrigation Systems*	www.jains.com	011- 26691569	jainnewdelhi@jains.com	B-30, Shivalik, Malviya Nagar 110 017, New Delhi
Jaagriti Solar	www.jaagritisolar.com	91-9654491750	info@jaagritisolar.com	C-1856, Palam Vihar, Gurgaon - 122017, Haryana
Jupiter Solar Power	www.jupitersolarpower.com	0033-40159000	info@jspl.co.in	20 A, Ashutosh Chowdhury Avenue, Kolkata 700019, West Bengal
JJ PV Solar	www.jjpv solar.com	02827-254474	info@jjpv solar.com	Survey No. 236, Plot no. 2, N/H 8B, Village Veraval, Shapar, Rajkot 360024, Gujarat

SOLAR PV: MANUFACTURERS

Company Name	Website Name	Phone No.	Email Address	Address
Kirti Solar*	www.kirtisolar.com	033-40646077 / 78 / 79	info@kirtisolar.com	56D, Mirza Ghalib Street, 2nd Floor, Kolkata 700016, West Bengal
Kimaya Energy	www.kimayaenergy.com	011-30425555 /56/57/58/59	info@kimayaenergy.com	A-301, 6 Aurangzeb Road 110011, New Delhi
Krisham Automation	www.krisamautomation.com	08110-418333	info@krisamautomation.com	SPL 4, 3rd Main Road, KSSIDC Industrial Estate, Jigani, Phase II, Bengaluru 562106, Karnataka
Kotak Urja*	www.kotakurja.com	080-28363330	kotakurja@kotakurja.com	378, 10th Cross, 4th Phase, Peenya Industrial Area, Bengaluru 560058, Karnataka
KCP Solar Industries	www.kcpsolar.com	0427-2272359	sales@kcpsolar.com	No. 5/228A, Aurumugapilla Garden, Annadanapatti, Salem 635602, Tamil Nadu
Lanco Solar Energy	www.lancogroup.com	0124-6725200	solar@lancogroup.com	Plot No. 404-405, Udyog Vihar, Phase III, Gurgaon 122016, Haryana
Lucent Cleanenergy	www.lucentcleanenergy.in	079-40063353, 9925236185	info@lucentcleanenergy.in	14/15, 1st Floor, Pushtak Apartment, Prerna Derasar Road Satellite, Ahmedabad 380015, Gujarat
Mainframe Energy Solutions	www.mfenergysolutions.com	91-8527745017	info@mfenergysolutions.com	E-124, 1st Floor, Amar Colony, Lajpat Nagar- IV 110024, New Delhi
Maharishi Solar Technology*	www.maharishisolar.com	011-26959800, 40909090/91	info@maharishisolar.com	Maharishi House, A 14, Mohan Estate, Mathura Road 110044, New Delhi
Moser Baer Solar	www.moserbaersolar.com	011-40594444, 26911570/74	pvinfos@moserbaer.in	43B, Okhla Industrial Estate, Phase III 110020, New Delhi
Mitsubishi Electric India	www.mitsubishielectric.in	0124-4630300	contact@asia.meap.com	2nd Floor, Tower A and B, Cyber Greens, DLF Cyber City, Phase III, Gurgaon 122002, Haryana
Modern Solar	www.modernsolar.in	033-65228530	info@modernsolar.in	7, Camac Street, 3rd Floor, Azimganj House, Kolkata 700017, West Bengal
MIC Electronics*	www.micelectronics.com	040-27122222	info@mic.co.in	A-4/II, Electronic Complex, Kushaiguda, ECIL Post, Hyderabad 500062, Andhra Pradesh
Neety Euro Asia Solar Energy	www.nease.in	079-23287395/96	info@nease.in	B/4/1, GIDC Electronic Estate, Sector 25, Gandhinagar 382024, Gujarat
Neosol Technologies	www.neosoltechnologies.com	0124-4245146	info@neosoltechnologies.com	No. 173, Sector - 6, IMT Manesar, Gurgaon 122051, Haryana
NMTronics (India)	www.nmtronics.com	0120-4603500/04	ravinder.bhardwaj@nmtronics.com	SDF No. E 17, Noida SEZ, Noida-Dadri Road, Phase-II, Noida 201305, Uttar Pradesh
ORB Energy*	www.orbenergy.com	91-8067711300	vv.krishnadas@orbenergy.com	12, Srigandhada Kavalu, Sunkadakatte, Magadi Road, Bangalore 560091, Karnataka
PLG Power	www.plgpower.com	022-42309500, 24918279/77	info@plgpower.com	139,A1, Shah&Nahar Industrial Estate, Lower Parel (West), Mumbai 400013, Maharashtra
Plaza Power & Infrastructure Co.	www.plzasolar.co.in	011-66369666	pawan.kulshrestha@plzacables.com	104/906-907, 9th Floor, Akashdeep Building, 26 barakhamba Road, Connaught Place 110001, New Delhi
Photon Energy Systems	www.photonsolar.in	040-23331337/39	contact@photonsolar.in	Unit 19, Mount View Enclave, Road No. 12, Banjara Hills, Hyderabad 500034, Andhra Pradesh

Company Name	Website Name	Phone No.	Email Address	Address
Photonix Solar	www.photonixsolar.com	020-25382926	info@photonixsolar.com	38/A, Sahakar Vrind Society, Paud Road, Kothrud, Pune 411038, Maharashtra
Premier Solar Systems	www.premiersolarsystems.com	040-27744415	marketing@premierolarsystems.com	3rd Floor, V.V. Towers, Main Road, Karkhana, Secunderabad 500009, Andhra Pradesh
Powerone Micro Systems	www.poweroneups.com	080-28398730	poweroneups@poweroneups.com	GF-3, KSSIDC Multistoreyed Building, 5th cross, 1st stage, Peenya Industrial Estate, Bangalore 560 058, Karnataka
Quadsun Solar Pvt. Ltd.	www.quadsunsolar.com	91-7875757848	prakash@quadsunsolar.com	Jal Vihar, Vasai Garhi Road, Village Dhankot, Gurgaon
Ritika Systems*	www.ritikasystems.in	0120-2586610	info@ritikasystems.in	C-22/18, Sector-57, Noida 201301, Uttar Pradesh
REC Group	www.recgroup.com	011-40667779	anja.hesse@recgroup.com	3B, 3rd Floor, M 6, Uppal Plaza, Jasola District Centre 110025, New Delhi
Reliance Industries Solar Group	www.relsolar.com	022-44770000	sales.reliancesolar@ril.com	Building No. 5 C, 1st Floor, Reliance Corporate Park, Thane-Belapur Road, Ghansoli, Navi Mumbai 400701, Maharashtra
Rajasthan Electronics and Instruments*	www.reiljp.com	0141-2724968/45	reiljp@sancharnet.in	B 21, Kala Colony, J.L.N. Marg, Malviya Nagar, Jaipur 302017, Rajasthan
Sanarti Group*	www.sanartigroup.com	91-9310516411	sales@sanartigroup.com	S-46, Okhla Phase-II 110020, New Delhi
Selco Solar Light*	www.selco-india.com	080-26654509	selco@selco-india.com	742, 15th Cross, 6th Phase, J P Nagar, Bangalore 560078, Karnataka
Solar Semiconductor	www.solarsemiconductor.com	040-67303000	sales@solarsemiconductor.com	Plot No. 254/A, House No. 8-2-293/82/L/271/A, MLA Colony, Road No- 12, Banjara Hills, Hyderabad 500034, Andhra Pradesh
Solar India Enterprises*	www.solarindiadelhi.com	91-9811606202	solarindia0009@gmail.com	M-5/4-5-6, Vishal Market, West Mukherjee Nagar 110009, New Delhi
Sun Energy Systems*	www.sunenergysystems.in	2692-230317	sesin2009@gmail.com	Plot No. 131/A, Phase-I, GIDC, Vithal Udyog Nagar, Anand 388121, Gujarat
Sunshine power products*	www.sunshinesolarsystem.com	91-9038087249	info@sunshinesolar.co.in	130/9, Bakrahat Road, Hanspukur, Green Park (Khalpole) Joka, Kolkata 700104, West Bengal
Sigma Steel & Engineering*	www.sigmasolar.org	033-3295 3536	sigma.rs@hotmail.com	AD-182, Rabindra Pally, Kestopur, Kolkata 700101, West Bengal
SCB Solar India	www.scbssolar.com	080-41311255	info@scbsolar.com	No. 570, 1st Main, Teacher's Colony, Agara Ring Road, SR Layout, Bengaluru 560034, Karnataka
Shan Solar	www.shansolar.com	080-42068401	sp@shansolar.com	2005, Anand Bhawan, 2nd Floor, 100Ft Road, Indira Nagar, HAL 2nd Stage, Bengaluru 560038, Karnataka
Sharp Business Systems (India)	www.sbsil.com	011-46665555/462	response@sharp-oa.com	214-221, Ansal Tower 38, Nehru Place 110019, New Delhi
Shurjo Energy	www.shurjo-energy.com	033-25025146	solarsales@paelt.com	D 82, Industrial Estate, Block D, Ward No. 6, Kalyanji District, Nadia 741235, West Bengal
S.S. Solar Energy	www.sssolarenergy.in	91-9540111928	info@sssolarenergy.in	C-415, Sector-10, Noida 201301, Uttar Pradesh

SOLAR PV: MANUFACTURERS

Company Name	Website Name	Phone No.	Email Address	Address
SPM Energy	www.spmenergy.com	91-9711008401	umang@spmenergy.com	414/5, Osian Building 12, Nehru Place 110019, New Delhi
Soltech Equipments	www.soltechindia.com	044-421291118, 24339130	info@soltechindia.com	27/12, Crescent Park Street, T. Nagar, Chennai 600017, Tamil Nadu
Sova Power	www.sovasolar.com	033-23342772	sm@sovasolar.com	EC136, Sector No. 1, Salt Lake City, Kolkata 700020, West Bengal
Sovox Renewables	www.sovoxglobal.com	0124 4354245	info@sovoxglobal.com	Level 4, Augusta Point, DLF Golf Course Road, Sector-53, Gurgaon 122 002, Haryana
SunPower India	www.sunpowercorp.co.in	011-41037000/05	pr@sunpower.com	6B, 6th Floor, Lotus Towers, New Friends Colony 110025, New Delhi
Surana Ventures	www.suranaventures.com	040-44665700	solar@surana.com	5th Floor, Surya Towers, Sardar Patel Road, Secunderabad 500003, Andhra Pradesh
Su Solartech Systems*	www.susolartech.com	0172-2792699	info@susolartech.com	SCO-184, Sector-7-C, Chandigarh 160019, Haryana and Punjab
Tata Power Solar Systems*	www.tatapowersolar.com	011-45633333	sales@tatapowersolar.com	4th Floor M6, Uppal Building, Jasola 110025, New Delhi
The PV Connect	www.thepvconnect.com	91-4027150576	info@thepvconnect.com	F 6, Industrial Development Area, Nacharam, Road No. 12, Hyderabad 502334, Telangana
Titan Energy	www.titan-energy.com	040-27790751	info@titan-energy.com	16, Aruna Enclave, Trimulgherry, Secunderabad 500015, Andhra Pradesh
Topsun Energy	www.topsunenergy.com	079-23288804	marketing@topsunenergy.com	B 101, GIDC, Electronic Zone, Sector 25, Gandhinagar 382028, Gujarat
Three Sixty Power Products	www.threesixtygroup.in	0124-4280750	info@threesixty.in	No. 418, 4th Floor, Time Tower, Sector No. 28, M.G. Road, Gurgaon 122002, Haryana
Thrive Energy Technologies*	www.thriveenergy.co.in	91-9949325007	info@thriveenergy.co.in	121/3, Eastern, Phase-II, Sector-I, Lane-9, IDA Cherlapally, Hyderabad 500051, Andhra Pradesh
Vega Solar Energy	www.vegasolarenergy.com	040-27265865	info@vegasolarenergy.com	Plot No. 188/b, Sector 3, Lane-3, IDA Cherlapally, Phase II, Hyderabad 500051, Andhra Pradesh
Vikram Solar*	www.vikramsolar.com	033-24427299, 24427399	sales@vikramsolar.com	The Chambers, 8th Floor, 1865, Rajdanga, Main Road, Kolkata 700107, West Bengal
Waaree Energies*	www.waaree.com	022-66444444	waaree@waaree.com	602, Western Edge I, Western Express Highway, Borivli (East), Mumbai 400066, Maharashtra
Websol Energy Systems	www.webelsolar.com	03174-222932	info@webelsolar.com	Falta SEZ, Sector II, Falta, Village Birsa, Mouza Akalmegh, P.S Ramnagar, South 24 Pargana 743504, West Bengal
WebTech Engineering	www.webtechengg.com	0129- 6460005, 4061902	info@webtechengg.com	Plot No-20, Sector-25, Faridabad 121004, Haryana
XL Energy	www.xlenergy.co	040-27883333	sales@xlenergy.co	C2, Pooja Plaza, Vikrampuri, secunderabad 500009, Andhra Pradesh

*List of Manufacturers empanelled by MNRE under subsidy scheme implemented By NABARD

Solar PV: Project Developers

Project Developers	Website Name	Phone No.	Email Address	Address
ACME Solar	www.acmesolar.in	0124-7117000	info@acme.in	Plot No. 152, Sector-44, Gurgaon 122002, Haryana
Adani Power	www.adanipower.com	079-25556900	media@adani.com	7 A, Sambhav Bunglow Road, Bodakdev, Ahmedabad 380015, Gujarat
AES India	www.aes-india.com	0124-4420999	info.aesindia@aes.com	Unit No. 202 & 203, 2nd Floor, Suncity Business Tower, Sector-54, G.C. Road, Gurgaon 122002, Haryana
Azure Power	www.azurepower.com	011-49409800	info@azurepower.com	8, Local Shopping Complex, Pushp Vihar, Madangir 110062, New Delhi
Borg Energy India	www.borgenergy.com	044-49172222	info@borgenergy.com	GEE GEE EMERALD, 2E, 2nd Floor, 312/151, Village Road Nungambakkam, Chennai 600034, Tamil Nadu
C&S Electric	www.cselectric.co.in	011-30887520/ 29	info@cselectric.co.in	222, Okhla Industrial Estate, Phase III 110020, New Delhi
Dalmia Solar Power	www.salmiacement.com	011-23310121	marketing@dalmiacement.com	Hansalaya, 11th & 12th Floor, 15 Barakhamba Road 110001, New Delhi
Enertech Engineering	www.enertechengineering.com	040-27268002	office@enertechengineering.com	Plot No. 66-77, Cherlapally Industrial Park, Phase-III, Hyderabad 500051, Andhra Pradesh
Enfield Infrastructure	www.sonthaliagroup.com	033-40191919	mail@sonthaliagroup.com	CF-255, Salt Lake City, Sector-1, Kolkata 700064, West Bengal
Euro Solar Power	www.eurosolarpower.in	022-26523145	info@cpowerec.com	4 Court House, 1st Floor, Lokmanya Tilak Marg, Dhobi Talao, Mumbai 400002, Maharashtra
Fortum India	www.fortum.com	0124-4418800	fortum.india@fortum.com	Level 7, Tower A, Building-5, DLF Complex, Gurgaon 122002, Haryana
Green Infra	www.greeninfralimited.in	011-49190500	info@greeninfralimited.in	2nd Floor, Tower No. 2, NBCC Plaza, Pushp Vihar, Saket 110017, New Delhi
Hero Future Energies	www.herofutureenergies.com	011-49598000	info@herofutureenergies.com	202, 3rd Floor, Okhla Industrial Estate, Phase III 110020, New Delhi
Hindustan Cleanenergy	www.hindustanpowerprojects.com	011-40594444	balaji.krishnaswami@hpppl.in	43 B, Okhla Industrial Estate, Phase III 110020, New Delhi
IL&FS Renewable Energy	www.iidcindia.co.in	011- 46002200	info@iidcindia.com	2nd Floor, Niyat Bhawan, Rao Tula Marg 110057, New Delhi
Jakson Power Solutions	www.jakson.com	0120-4302600	info@jakson.com	A 43, Phase II, Extention, Noida 201305, Uttar Pradesh
Lanco Solar Energy	www.lancogroup.com	0124-6725200	solar@lancogroup.com	Plot No. 404-405, 2nd Floor, Phase III, Udyog Vihar, Gurgaon 122016, Haryana
Mahindra Solar	www.Mahindra.com	022-24825060	contactus.solar@mahindra.com	570, 1st Floor, Sadhna House, Behind Mahindra Towers, GM Bhosle Marg, Worli, Mumbai 400018, Maharashtra

SOLAR PV: PROJECT DEVELOPERS

Project Developers	Website Name	Phone No.	Email Address	Address
Moser Baer Solar	www.moserbaersolar.com	011-40594444, 26911570/74	pvinfos@moserbaer.in	43B, Okhla Industrial Estate, Phase III 110020, New Delhi
NSL Renewable Power	www.nslpower.com	040-30514444	info@nsl.com	4th Floor, NSL ICON, D. No. 8-2-648/2/A, Road No. 12, Banjara Hills, Hyderabad 500034, Andhra Pradesh
NTPC	www.ntpc.co.in	011-24360100	info@ntpc.co.in	SCOPE Complex, Institutional Area, Lodhi Road 110003, New Delhi
Punj Lloyd Delta Renewables	www.punjloydgroup.com	0124-2620769	support@punjlloyddelta.com	95, Institutional Area, Sector 32, Gurgaon 122001, Haryana
Reliance Industries	www.relsolar.com	022-29780000	sales.reliancesolar@ril.com	5 C, 1st Floor, Reliance Corporate Park, Ghansoli, Thane-Belapur Road, Navi Mumbai 400701, Maharashtra
Solairedirect Energy India	www.solairedirect.in	020-66864700	contactindia@solairedirect.in	Office No. 203, 2nd Floor, Pentagon P3, Magarpatta City, Hadapsar, Pune 411013, Maharashtra
Soma Enterprise	www.soma.co.in	040-66538899	info@soma.co.in	2, Avenue 4, Banjara Hills, Hyderabad 500034, Andhra Pradesh
SunBorne Energy Technologies	www.sunborneenergy.com	0124-4750600	info@sunborneenergy.com	403, Tower A, Unitech Cyber Park, Sector-39, Gurgaon 122001, Haryana
SunEdision Pvt. Ltd.	www.sunedison.in	044-42923818	india@sunedison.com	Menon Eternity, 10th Floor, New No-165, Old No-110, St.Marys Road, Alwarpet, Chennai, Tamil Nadu
Tata Power	www.tatapower.com	022-66658282	customercare@tatapower.com	Bombay House, 24, Homi Mody Street Fort, Mumbai, 400001, Maharashtra
Vikram Solar	www.vikramsolar.com	033-24427299, 24427399	sales@vikramsolar.com	The Chambers, 8th Floor, 1865, Rajdanga, Main Road, Kolkata 700107, West Bengal
Welspun Energy	www.welspunenergy.com	011-66034600	welspunenergy@welspun.com	3rd Floor, The Press Trust Of India Building 4, Parliament Street 11001, New Delhi
Zamil Infra	www.zamilinfra.com	0124-4770900	info@zamilinfra.com	002 & 003, Ground Floor, BPTP Park Centra, Sector-30, NH-8, Gurgaon 122001, Haryana

Solar PV: EPC/System Integrators

Company Name	Website	Phone No.	Email	Address
Abener Engineering	www.anener.com	022-66889600	abener@abener.abengoa.com	110, L.B.S. Marg, Vikhroli (West), Mumbai 400083, Maharashtra
Alpha Power Solutions*	www.alphapowersolutions.in	91-74111 12244	alphapowersolutions@gmail.com	3613, 5th main, 3rd cross, B-Block, Gayathrinagar Bengaluru 560021, Karnataka
Airsolwin	www.airsolwin.in	91-9560405226	airsolwin@gmail.com	B-17, Laxmi Bazar, New Colony More, SohnaChowk, Gurgaon 122001, Haryana
Aryav Green Energy	www.aryavgreenenergy.com	0124-4002389	info@aryavgreenenergy.com	SF-12, Omaxe Celebration Mall, Near Subhash Chowk, SohnaRoad, Gurgaon 122004, Haryana
ACE Infrastructure	www.aceinfra.com	022-23627493, 23684605	info@aceinfra.com	113 MAMA ParmanadMarg, Aman Chambers, 6th Floor, Mumbai 400004, Maharashtra
ACME Solar	www.acmesolar.in	0124-7117000	info@acme.in	Plot No. 152, Sector 44, Gurgaon 122002, Haryana
Aeon Renewable Energy Solution	www.aeonenergy.biz	044-40206666	info@aeonenergy.biz	3rd Floor, Sintron Square, 1/9, Dr. VSI Estate Thiruvanmiyur, Chennai 600041, Tamil Nadu
AECOM	www.aecom.com	0124-2816026	aecominvestorrelations@aecom.com	9th Floor, Infinity Tower C, DLF Cyber City, DLF Phase II, Gurgaon 122002, Haryana
Agni Power and Electronics*	www.agnipower.com	033-40610038	info@agnipower.com	114, Rajdanga Gold Park, 1st Floor, Kolkata 700107, West Bengal
AICA Engineering (India)	www.aicaengineering.net	0481-2570415	info@aicaengineering.com	Level 1, Rehaboth Building, Vadavathoor, Kottayam 686010, Kerala
ArvindAccel*	www.arvind.com	079-30138000	feedback@arvind.com	Arvind Mill Premises, Naroda Road, Ahmedabad 380025, Gujarat
Alpex Solar*	www.alpexsolar.com	011-26522132	info@alpexonline.com	81/2, 1st Floor, Sri AurobindoMarg, Adchini 110017, New Delhi
Aditya Green Energy*	www.adityagreenenergy.com	02382-249801	info@adityagreenenergy.com	Shop No. 21/22, Shahu Complex, Near Telephone Bhawan, Latur 413512 Maharashtra
Akshaya Solar Power India	www.akshayasolar.com	040-40064524	raju@akshayasolar.com	Plot No. 60/C/E, 1st and 2nd Floors, Phase I, IDA, Jeedimetla, Hyderabad 500055, Andhra Pradesh
Amplus Solar	www.amplussolar.com	91-9971944883	contact@amplussolar.com	Level 6, JMD Regent Square, MG Road, Gurgaon 122002
AVI Appliances*	www.avi-products.com	079-22923767	info@avi-products.com	65-66, Narayan industrial Estate, Opp. Raipur Mill Compound, Saraspur, Ahmadabad-380018, Gujarat
Azure Power	www.azurepower.com	011-49409800	info@azurepower.com	8, Local Shopping Complex, PushpVihar, Madangir 110062, New Delhi
ArrayTech Technologies	www.arraytechindia.com	080-2572296	info@arraytechindia.com	No. 104, Level 2, Prestige Omega, Epip Zone, Whitefield, Bengaluru 560066, Karnataka
Belectric Photovoltaic India	www.belectric.com	022-66975382	info@belectric-india.com	310-311, ACME Plaza, AndheriKurla Road, Andheri (East), Mumbai 400059, Maharashtra
Bergen Associates	www.baplindia.com	0124-4986400/ 4002342-43	info@bergengroupindia.com	690-691, Phase V, UdyogVihar, Gurgaon 122016, Haryana
Bharat Heavy Electricals	www.bhel.com	011-66337000	query@bhel.com	BHEL House, Siri Fort, 10049, New Delhi
Bosch Solar Energy*	www.bosch-solarenergy.com	080-67521111	claim.pv@in.bosch.com	P.B. No. 3000, Hosur Road, Bengaluru 560030, Karnataka
Borg Energy India	www.borgenergy.com	044-49172222	info@borgenergy.com	GEE GEE EMERALD, 2E, 2nd Floor, 312/151, Village Road Nungambakkam, Chennai 600034, Tamil Nadu

SOLAR PV: EPC/SYSTEM INTEGRATORS

Company Name	Website	Phone No.	Email	Address
Bright Solar*	www.brightsolar.in	91-9377756205	info@brightsolar.co.in	Plot No. 474, Road No 12, Kathwada GIDC, Kathwada, Ahmedabad 382430, Gujarat
C&S Electric	www.cselectric.co.in	011-30887520-29	info@cselectric.co.in	222, Okhla Industrial Estate, Phase III 110020, New Delhi
CCL Optoelectronics	www.cclopto.com	022-27685691, 65218496	info@cclopto.com	EL 38, MIDC, Electronics Zone, Mahpe, Navi Mumbai 400710, Maharashtra
Cirus Solar Systems	www.cirussolar.com	91-8008100139	enquiry@cirussolar.com	3rd Floor, Block No. 127/128, Lakeview Plaza, Madhapur, Hyderabad 500081, Andhra Pradesh
Chemtrols Solar*	www.chemtrols.com	022-67151200	chemtrols@chemtrols.com	Amar Hill, Saki Vihar Road, Powai, Mumbai 400072, Maharashtra
Continental Solar	www.continentalsolar.com	0124-4031610	customercare@continentalsolar.com	Unit 12A, 2nd Floor, MGF Mega City, MG Road, Gurgaon 122002, Haryana
Contrive Instrumentation	www.contrivekota.com	0744-2845057-58	info@contrivekota.com	G1 231 and 232, Kuber Industrial Area, Ranpur, Kota 325003, Rajasthan
Deshmukh Energy	www.deshmukhenergy.com	91-9225530444	info@deshmukhenergy.com	10, 11,12 Ganesh Market, Nashik Road, Nashik 422101, Maharashtra
Dnova Infra	www.dnovainfra.com	0124-2580638, 37	info@dnovainfra.com	637, Sector 31, Gurgaon 122001, Haryana
Ecoprogetti	www.ecoprogetti.com	022-24320061	minal.gala@ecoprogetti.com	C 8, Prime Showcase, Near Prime Plaza, BM Road, Elphinstone-West, Mumbai 400013, Maharashtra
E2 Solar*	www.e2solar.co.in	0484-3533332	info@e2solar.co.in	770 Z-28, Punnakkattil Complex, Nr. Private Bus Stand, Angamaly Road, Klady P.O. Ernakulam 683574, Kerala
Elcomponics Technologies India	www.Elcomponics.com	0120-4229673	salesetipl@elcomponics.com	A 65, Sector 58, Phase III, Noida 201301, Uttar Pradesh
Emeral Energy Solutions	www.emeralenergy.com	079-40068221	marketing@emeralenergy.com	215, Chandrabrabhu Complex, Near Sardar Patel Statue, Naranpura, Ahmedabad 380013, Gujarat
EnergO	www.energOindia.com	0124-4183200/300/400	energO@energOindia.com	249-C, Udyog Vihar, Phase IV, Gurgaon 122016, Haryana
Enerparc Energy	www.enerparc.de	080-49414941	contact@enerparc.in	Unit No. N905/906, 9th Floor, North Block, Manipal Centre, No. 47, Dickenson Road, Bengaluru 560042, Karnataka
Enfinity Solar Solutions	www.enfinity.biz	044-40505550	info@enfinity.in	New No. 60/ Old No. 79, Greenways Extension Road, R.A. Puram, Chennai 600028, Tamil Nadu
Enrich Energy	www.enrichenergy.com	020-26050080/84	info@enrichenergy.com	201-A, 5 Koregoan Park Road, Pune 411001, Maharashtra
Emeral Energy Solutions*	www.emeralenergy.com	079-40068221	info@emeralenergy.com	215, Chandrabrabhu Complex, Nr Sardarpatel Statue, Naranpura, Ahmedabad 380013, Gujarat
ETain ImMODO Renewables	www.etimmodo.com	0217-660635/36, 2345553/57	solarinfo@etimmodo.com	201, Neelkanth Vila Bunglows, Behind DPS School, Ahmedabad 380058, Gujarat
Evergreen Solar Systems India	www.evergreensolar.in	0422-2642564	info@evergreensolar.in	Sulochana Mills Campus, Mettupalayam Road, Vadamadurai, Coimbatore 641017, Tamil Nadu
EverSun Energy	www.eversunenergy.com	044-47443000, 37474747	marketing@eversunenergy.com	Tecpro Towers, Plot No. 11, A 17, 5th Cross Road, SIPCOT IT Park, Siruseri, Chennai 603103, Tamil Nadu
Eminence Solar	www.eminencesolar.com	91-9811470267	info@eminencesolar.com	206, 2nd Floor, RG Mall, Sector-9, Rohini 110085, New Delhi
Fairwood SmartGreen	www.fairwoodsmartgreen.com	0120-4056500	vikas@fairwoodground.com	7th Floor, Tower D, Logix Techno Park, Sector 127, Noida 201301, Uttar Pradesh
Fedders Lloyd Corporation	www.fedderslloyd.com	011-40627200/300	info@fedderslloyd.com	159, Okhla Industrial Area, Phase III 110020, New Delhi

Company Name	Website	Phone No.	Email	Address
Fourth Partner Energy*	www.fourthpartner.co	040-64631123	info@fourthpartner.co	704, Krishna Apartments, Tilak Road, Abida, Hyderabad 500001, Andhra Pradesh
Fronius India	www.fronius.com	91-9820605297	sales.india@fronius.com	GAT No. 312, Nanekarwadi, Chakan, Taluka- Khed District, Pune 410501, Maharashtra
Genus Power Infrastructures*	www.genus.in	0141-7102400/500	ecc@genus.in	SPL-3, RIICO Industrial Area, Sitapura, Tonk Road, Jaipur 302 022, Rajasthan
Gautam Solar*	www.gautampolymers.com	011-49730000	solar@gautampolymers.com	F 35, Okhla Industrial Area, Phase I 110020, New Delhi
Gensol Consultants*	www.gensolsolar.com	078-78025010	ncr@gensol.in	205-206, 2nd Floor, Sarthik II, S.G. Highway, Ahmedabad 380015, Gujarat
Godrej & Boyce Manufacturing	www.godrejandboyce.com	91-9818700211	info@godrej.com	C-001, Suncity Heights, G.C. Road, Gurgaon 122012, Haryana
Goldi Green Technologies	www.goldigreen.in	0261-3099999	info@goldigreen.in	Shop No. 2, SurajDarshanAppartment, PajwaFalia, Katargam Road, Surat 395004, Gujarat
Green Secure Energy*	www.greensecure.in	040-23392978	indy@greensecure.in	8D, Riaz Garden, 12, Kodambakkam, High Road, Nungambakkam, Chennai – 600034, Tamil Nadu
Greentek India*	www.greentekindia.co.in	91-9819752339	greentek1@gmail.com	Plot No. 8, Lepakshi Colony, West Maredpally, Secunderabad – 500026, Telangana
HarshaAbakus Solar	www.harsha-abakus.com	02717-391208/00	info@harsha-abakus.com	Sarkhej-Bavla Road, P.O. Changodar, Ahmedabad 382213, Gujarat
Hero Future Energies*	www.herofutureenergies.com	011 - 49598000	info@herofutureenergies.com	202,Third Floor,Okhla Industrial Estate, Phase – III 110 020, New Delhi
HBL Power Systems*	www.hbl.in	0124-4240 168	contact@hbl.in	Plot No. - 425, Sector - 8, IMT Manesar, Gurgaon 122050, Haryana
IG Solar	www.igsolar.in	0124-3251076/86	office@indogermansolar.com	Dhorka, Sector-95, Pataudi Road, Gurgaon 122505, Haryana
Inovision Technologies	www.inovision.co.in	022-32508353	inovision.in@gmail.com	Unit 4, B wing, Baba Vihar, S.G. Barve Road, Kurla(East), Mumbai 400024, Maharashtra
Insolare Energy	www.insolare.com	080-41279386/89	insolare@insolare.com	5th Floor, ASK Towers, Kundanahalli, Bengaluru 560066, Karnataka
InspiraMartifier Solar	www.inspiramartifiersolar.com	022-67733600	contact@inspiramartifier.com	21, Satyam, 318, Linking Road, Khar (West), Mumbai 400052, Maharashtra
IntelliDecs Power	www.intellidecs.com	040-45678899	info@intellidecs.com	8-2-120/76, Plot No. 89, Road No. 2, Banjara Hills, Hyderabad 500034, Andhra Pradesh
Intelux Electronics	www.inteluxindia.com	020-24223734	marketing@inteluxindia.com	Unit No. 2, Electronics Co-op., Estate, Pune-Satara Road, Pune 411009, Maharashtra
International Marketing Corporation	www.imc-india.com	022-66840000	sales@imc-india.com	418, Swastik Chambers, Sion-trombay Road, Chembur, Mumbai 400071, Maharashtra
Jakson Power Solutions	www.jakson.com	0120-4302600	info@jakson.com	A 43, Phase II, Extention, Noida 201305, Uttar Pradesh
Jain Irrigation Systems*	www.jains.com	0257-2260033/44	info@jainirrigation.com	Jain Energy park, Shirol Road, PO Box No 20 Jalgaon 425001 Maharashtra
Juwi India Renewable Energies	www.juwi.in	080-49059000/01	r.bhat@juwi.in	Samhitha Plaza, No. 248, 1st Floor, 80 Feet Road, Defence Colony, Indira Nagar, Bengaluru 560038, Karnataka
Kaihatsu Techno Centre	www.ktcpl.com	022-28576348	sales@ktcpl.com	Unit 36, B Wing, Ground Floor, Solaris Building I, BajiPasalkarMarg, Saki Vihar, Andheri (East) 400072, Maharashtra
KEC International*	www.kecprg.com	022-66670200	info@kecint.com	RPG House, 463, Dr. Annie Besant Road, Worli, Mumbai 400030, Maharashtra
Kirloskar Brothers	www.kbl.co.in	020-27214444	kblin@kbl.co.in	Yamuna Building, Survey No. 98/3-7, Baner Road, Pune 411045, Maharashtra

SOLAR PV: EPC/SYSTEM INTEGRATORS

Company Name	Website	Phone No.	Email	Address
Kirloskar Integrated Technologies	www.kitlgreen.com	020-25457940	gtc.kitl@kirloskar.com	13/A, Karve Road, Kothrud, Pune 411038, Maharashtra
Kirti Solar*	www.kirtisolar.com	033-40646077/79	info@kirtisolar.com	10A, Middleton Row, 2nd Floor, Kolkata 700071, West Bengal
Kohima Energy	www.kohimaenergy.com	040-64578016	solar@kohimaenergy.com	6-3-1109/G/1, Ground Floor, NavaBharat Chambers, Somajiguda, Hyderabad 500082, Andhra Pradesh
Konstelec Engineers	www.konstelec.com	022-26663827	kepl@konstelec.com	6/25/308, Creative Industrial Estate, Sunder Nagar, Lane No. 2, Kalina, Santacruz (East), Mumbai 400098, Maharashtra
KP Buildcon	www.kpgroup.co	0261-2764757	info@kpgroup.co	A 1 and 2, Firdous Tower, New Rander Road, AdajanPatia, Surat 395009, Gujarat
Lahmeyer International	www.liindia.com	0124-4698586	info@lahmeyer.in	Intec House, 37, Institutional Area, Sector 44, Gurgaon 122002, Haryana
Lanco Solar Energy	www.lancogroup.com	0124-6725200	solar@lancogroup.com	Plot No. 404-405, 2nd Floor, Phase III, Udyog Vihar, Gurgaon 122016, Haryana
Larsen & Toubro*	www.larsentoubro.com	022-22704000	infodesk@larsentoubro.com	L&T House, Ballard Estate, Mumbai 400001, Maharashtra
Luminous Power Technologies*	www.luminousindia.com	011-25558913-18	care@luminousindia.com	C-8 & C-9, Community Centre, Janakpuri 110058, New Delhi
Lubi Electronics	www.lubielelectronics.com	079-39845300	info@lubielelectronics.com	Sardar Patel Ring Road, Nr. Karai Gam Patia, Nana Chiloda, Gandhinagar 382330, Gujarat
Mahindra EPC Service*	www.mahindraepc.in	022-24825060	sales.mahindraepc@mahindra.com	Mahindra Towers, Dr. G.M. BhosaleMarg, P.K. KurmeChowk, Worli, Mumbai 400018, Maharashtra
Mohan Energy Corporation*	www.mohanenergy.com	011-45003500/01	mec@mohanenergy.com	Mohan House, Community Center, 8-9 Zamrudpur, Kailash Colony Extn. 110 048, New Delhi
Moser Baer Solar*	www.moserbaer.com	011-40594444	info@moserbaer.in	3B, Okhla Industrial Estate 110020, New Delhi
NMTronics India*	www.nmtronics.com	0120-4603500	soni@nmtronics.com	SDF NO. E-17 & C-2, Noida SEZ, Noida Dadri Road, Phase-II, Noida 201305, Uttar Pradesh
NanoPV Voltech Solar*	www.nano-pv.com	044 -43978000	info@nano-pv.com	Voltech Eco Tower, 2/249, Mount Poonamallee Road, Ayyappanthangal, Chennai 600056, Tamil Nadu
Navitas Green Solutions	www.navitassolar.in	0261-6055123	info@navitassolar.in	Plot No B-20/3, Road No. 13-14, Hojiwala Industrial Estate, Surat 394230, Gujarat
Pious Energy	www.piousenergy.in	91-8285010203	info@piousenergy.in	B-9, Indraj Arcade, Sector 15, Gurgaon 122001, Haryana
Punj Lloyd Delta Renewables	www.punjlyoddelta.com	0124-2620769	support@punjlyoddelta.com	95, Institutional Area, Sector 32, Gurgaon 122001, Haryana
Predominant Engineers & Contractors	www.pecl.net	0124-4767777	co@pecl.net	501-501A, Global Foyer, G.C. Road, Sector- 43, Gurgaon 122002, Haryana
Premier Solar Systems*	www.premiersolarsystems.com	040 -27744415	info@premierolarsystems.com	3rd Floor, VV Towers, Kharkhana Main Road Secunderabad 500015, Hyderabad, Andhra Pradesh
Qubic Suntrack Energy System*	www.qubicsuntracksystems.com	020-24318185	info@qubicsuntracksystems.com	28 "Shankara" Santsopandev Society, Santnagar, Aranyeshwar, Pune 411009, Maharashtra
Rays Power Infra*	www.rayspowerinfra.com	0141-2297802	info@rayspowerinfra.com	D-93, Janpath, Shurya Nagar, Jaipur, Rajasthan
RK Tech India*	www.rktech.in	044-26211054	info@rktech.in	GF-25, Anna Nagar Plaza, C-47, Second Avenue, Chennai 600040, Tamil Nadu
Rays Power Experts	www.raysexperts.com	0124-6637940	info@raysexperts.com	The Executive Centre India Tower A, Building No. 5, 18th Floor, DLF Cyber City, DLF Phase III, Gurgaon 122002, Haryana

Company Name	Website	Phone No.	Email	Address
ReNew Power	www.renewpower.in	0124-4896670/ 80	info@renewpower.in	Tower 4A, 6th Floor, DLF Corporate Park, M.G. Road, Gurgaon 122002, Haryana
Rural Agri Ventures India	www.ruralagriventures.com	0124-6565311	saikat@ruralagriventures.com	122, 1st Floor, Vipul Agora, M.G. Road, Gurgaon 122002
Saurya EnerTech	www.sauryaenertech.com	0124-4001137	info@sauryaenertech.com	864, UdyogVihar, Phase-V, Gurgaon 122016, Haryana
Schneider Electric India	www.schneider-electric.co.in	0124-3940400	customercare.in@schneider-electric.co.in	9th Floor, DLF Building No. 10, Tower C, DLF Cyber City, Phase II, Gurgaon 122002, Haryana
Solargy Systems		+141-2972233; +91-9571185728	info@solargyhome.com	507, 5th Floor, Big Benn OKAY Plus Tower, New Sangar Road, Jaipur 302 019
Sterling And Wilson	www.sterlingandwilson.com	022-25485300	mumbai@sterlingwilson.com	Universal Majestic, 9th Floor, P.L. Lokhande Marg, Chembur(West), Mumbai 400043, Maharashtra
Statcon Power Contol*	www.stat-con.com	0120-3851760	info@stat-con.com	A-34, Sector-59, Noida 201301, Uttar Pradesh
SunEdision	www.sunedison.in	044-42923818	india@sunedison.com	Menon Eternity, 10th Floor, 165, St. Marys Road, Alwarpet, Chennai, Tamil Nadu
Su-Kam Power Systems*	www.su-kam.com	0124-4170500	info@su-kam.com	Plot No. 54, Udyog Vihar, Phase VI, Sector 37, Gurgaon 122001, Haryana
SunKalp Energy	www.sunkalp.com	91-9818443802 / 958291066	gautam@sunkalp.com	107 Rectangle-1, D-4 District Centre, Saket 110017, New Delhi
SunSource Energy*	www.sunsource-energy.com	0120-6500409	contact@SunSource-Energy.com	B-14, Sector-132, Noida 201303, Uttar Pradesh
Sun Magic Advanced Solar Systems	www.modernsolar.co.in	91-9811230123	modernsolar@gmail.com	D-1/9, Hauz Khas 110016, New Delhi
SunSwitch India	www.sunswitch.in	1800-11-8090	info@sunswitch.in	Plot No. 51/1/10 Site-IV, UPSIDC Industrial Area, Sahibabad 201010, Uttar Pradesh
Tata Power Solar*	www.tatapowersolar.com	080-67772000 / 3000	info@tatapowersolar.com	78, Electronics City, Phase-I, Hosur Road, Bengaluru 560100, Karnataka
Thermax*	www.thermaxindia.com	020-66051200	enquiry@thermaxindia.com	Thermax House, 14 Mumbai-Pune Road, Wakdevadi, Pune 411003, Maharashtra
Urja Global	www.urjaglobal.in	011-25279143	info@urjaglobal.in	487/63, 1st Floor, National Market, Peeragarhi 110087, New Delhi
Vasundara Automation and Engineering Services	www.vasundara.com	080-67726777	query@vasundara.com	No. 3, Sy No. 89, Bengaluru 560062, Karnataka
Veddis Solars	www.veddissolars.com	040-30282451	info@veddissolars.com	Plot No. 13, Telecom Nagar, Gachibowl, Hyderabad 500048, Andhra Pradesh
Visa Ecotech	www.visaecotech.com	022-39469000	info@visaecotech.com	W223, MIDC, TTC Industrial Area, Khairne, Navi Mumbai 400709, Maharashtra
Vikram Solar*	www.vikramsolar.com	033-24427299, 24427399	sales@vikramsolar.com	The Chambers, 8th Floor, 1865, Rajdanga, Main Road, Kolkata 700107, West Bengal
Waaree Energies*	www.waaree.com	91-9953106365	ankittyagi@waaree.com	602, Western Edge- I, Off. Western Express Highway, Borivali (East), Mumbai 400066, Maharashtra
Welspun Energy	www.welspunenergy.com	011-66034600	welspunenergy@welspun.com	3rd Floor, The Press Trust Of India Building 4, Parliament Street 11001, New Delhi
Waa Solar*	www.madhavgrp.co.in	91-7600031747	info@madhavgrp.co.in	Plot-4, Nr. Panchratna Tower, Beside Amul Appartment, Subhanpura, Vadodara 390023, Gujarat
Zamil Infra	www.zamilinfra.com	0124-4770900	info@zamilinfra.com	002 & 003, Ground Floor, BPTP Park Centra, Sector-30, NH-8, Gurgaon 122001, Haryana

* List of Channel Partners Accredited by the MNRE under "Grid Connected Rooftop and Small Solar Power Plants Programme" till March 31, 2015

Solar Water Heaters

Company Name	Website Name	Phone No.	Email Address	Address
Arsh Electronics*	www.arshelectronics.com	011-22374859	arsh_electronics@arshgpi.com	224, Surya Niketan, Vikas Marg Extension 110092, New Delhi
Ados Renewable	www.adossolar.com	0135-6452620	adosmail@rediffmail.com	Main Road, PushpKunj, Doon University Road, Motheronwala, Dehradun 248001, Uttarakhand
Anu Solar Power*	www.anusolar.com	080-4355020	info@anusolar.com	No. 248, 8th Main, 3rd Cross, Phase III, Peenya Industrial Area, Bengaluru 560058, Karnataka
Aksons Solar Equipments	www.aksonsolar.net	020-25380109	aseplpune@gmail.com	Vatsala-Damodar, 42/1, Sahajanand Society, Kothrud, Pune 411038, Maharashtra
Arnima Ventures LLP	www.av-energies.com	0124-2578610	sales@av-energies.com	Suite No. 009, 4th Floor, Times Square, Sushant Lok 1, Gurgaon 122002, Haryana
Advanced Mechatronic Solutions	www.roshneesolar.com	91-9971182812	rahul@advacedms.in	Plot No. 543- J, Pace City-2, Sector-37, Gurgaon 122001, Haryana
ARC Renewables*	www.arc renewables.in	91-9899992521	ankit.chaudhary@arc renewables.in	UGF 33, Vyapar Kendra, Sushant Lok, Gurgaon, Haryana
Akshay Jyoti Energies*	www.akshayjyotienergies.com	0562-2525887	anurag@akshayjyotienergies.com	608, 6th Floor, Maruti Plaza, Sanjay Place, Agra, Uttar Pradesh
Ascent Solar Thermal*	–	0172-5063378	ascentsolar1@gmail.com	E-65, Phase-8, Industrial Area, Sas Nagar, Mohali, Punjab
Advance Navigation and Solar Technologies*	www.asianavaids.com	91-9910090894	sales@asianavaids.com	193, Western Avenue, Sainik Farm 110062, New Delhi
Bhambri Enterprises	www.bhambriexim.com	011-23541114	bhambri123@gmail.com	794, Joshi Road, Karol Bagh 110005, New Delhi
Bipin Engineers*	www.bipsun.com	020-24392064	contact@bipsun.com	143, Opp. Lokmat Wadgaon Dairy, Sinhgad Road, Pune 411041, Maharashtra
Cascade Helio Thermics	www.visitcascade.com	0422-2402406/1576	info@visitcascade.com	No. 3, Cascade Layout, Luna Nagar, Coimbatore 641025, Tamil Nadu
Conergy Energy Systems (India)	www.conergy.in	080-41880900	info-india@conergy.com	660/1, Indiranagar, 100 Feet Road, Bengaluru 560038, Karnataka
Complete Solar Solutions	www.completesolars.com	91-9643107661	info@completesolars.com	Shop No. 110 (Basement), HUDA Market, Sector-32, Gurgaon 122001, Haryana
Cascade HelioThermics*	www.visitcascade.com	0422-2400254	info@visitcascade.com	No. 355/2, Abbas Garden Road, Luna Nagar, Coimbatore 641025, Tamil Nadu
Digiflic Controls (India)	www.digiflic.com	080-23457389	sales@digiflic.com	893, 2nd Floor, M.E.S. Ring Road, Muthyalanagar, Jalahalli, Bengaluru 560054, Karnataka
Deepa Solar Systems	www.deepasolar.com	080-23188480/ 83	info@deepasolar.com	4, 80 Feet Ring Road, Near BDA Complex, Nagarabhavi 2nd Stage, Bengaluru 560072, Karnataka

Company Name	Website Name	Phone No.	Email Address	Address
Encow Energy Systems*	www.encow.com	891-6465575	chakravarthi@encow.com	2.41.10, Plot No. 17, M.V.P. Colony, Visakhapatnam 530 017, Andhra Pradesh
ESSE Power*	www.essepower.com	0141-2359663	sesolar.jpr@gmail.com	125, Lane-4, Guru Jambheshwar Nagar, Gandhi Path, Queens Road, Jaipur, Rajasthan
Electrotherm (India) Ltd	www.electrotherm.com	079-26768844	ho@electrotherm.com	A-1, Skylark Apartment, Satellite Road, Satellite, Ahemdabad 380015, Gujarat
Emmvee Solar Systems*	www.emmveesolar.com	080-43233311	info@emmvee.in	No. 5, 6th Main, 11th Cross, Lakshmaiah Block, Ganga Nagar, Bengaluru 560024, Karnataka
EPL India	www.eplindia.com	0120-2423253	sanjiv@elpindia.com	D 31, Sector 7, Noida 201301, Uttar Pradesh
Enerzea Power Solution	www.enerzea.com	080-28562066	info@enerzea.com	1304, 2nd Floor, 3rd Stage, Yelahanka, New Town, Bengaluru 560064, Karnataka
Fort Solar*	www.foresolar.in	91-9727781122	solarfort@gmail.com	No. 298/4, G.L.D.C Estate, Makarpura, Vadodara 390010, Gujarat
Fourth Partner Energy	www.fourthpartner.co	040-64631123	info@fourthpartner.co	704, Krishna Apartment, Tilak Road, Abids, Hyderabad 500001, Andhra Pradesh
Geetanjali Solar Enterprise*	www.geetanjalisolarin.com	033-40019188	solar.gse@gmail.com	P-14, Kasba Industrial Estate, Phase-I, Kolkata 700107, West Bengal
GreenTek*	www.greentekindia.co.in	040-6519 8519	info@greentekindia.co.in	Plot No. 8, Lepakshi Colony, West Maredpally, West Maredpally, Secunderabad 500 026, Telangana
GP Tronics	www.gptronics.net	033-22154705	saikat@gptronics.com	502, Kamalalaya Centre, 156A, Lenin Sarani, Kolkata 700013, West Bengal
Group SNP Technologies	www.groupsnp.com	0124-4234567	water@groupsnp.com	C 0414, Level IV, Nirvana Courtyard, Sector-50, Gurgaon 122018, Haryana
Jai Ganga Solar Energy*	www.jaigangasolar.com	0281-2323239	info@jaigangasolar.com	Kailashpati Society, Nehru Nagar, 80 Feet Main Road, Rajkot 360022, Gujarat
Jain Irrigation Systems*	www.jains.com	011- 26691569	jainnewdelhi@jains.com	B - 30, Shivalik, Malviya Nagar 110 017, New Delhi
Jakson Power Solutions	www.jakson.com	0120-4302600	info@jakson.com	A 43, Phase II, Extension, Noida 201305, Uttar Pradesh
Kotak Urja*	www.kotakurja.com	080-28363330	kotakurja@kotakurja.com	378, 10th Cross, 4th Phase, Peenya Industrial Area, Bengaluru 560058, Karnataka
Medors Biotech*	www.medorsbiotech.com	011-323232	info@medorsbiotech.com	Biotech House, D-1/3, Rana Pratap Bagh 110007, New Delhi
Minda Energy*	www.mindaenergy.com	020-6403240/ 41	corporate@mindaenergy.com	59B, Gayankhand-2, Indirapuram, Ghaziabad 201010, Uttar Pradesh
Mainframe Energy Solutions	www.mfenergysolutions.com	91-8527745017	info@mfenergysolutions.com	E-124, 1st Floor, Amar Colony, Lajpat Nagar- IV 110024, New Delhi
Manik Solar Innovation	www.manikinnovation.com	0181-2404454/ 55	manikinnovation.com	Adda Bastian Road, Near Raja Hospital, Jalandhar 144008, Punjab
NRG Technologies*	www.Nrgtechnologists.com	0265-2642094	purchase@nrgechnologists.com	989/6, GIDC, Industrial Estate, Makarpura, Vadodara 390010, Gujarat

SOLAR WATER HEATERS

Company Name	Website Name	Phone No.	Email Address	Address
Om Energy Equipment*	www.deltasolars.com	91-9879049493	info@deltasolars.com	Plot No.G-2065, Opp. To Esser Steel Depot, Kishan Gate Road, Metoda GIDC, Metoda, Rajkot, Gujarat
ORB Energy*	www.orbenergy.com	91-8067711300	vv.krishnadas@orbenergy.com	12, Sriganadhada Kavalu, Sunkadakatte, Magadi Road, Bangalore 560091, Karnataka
Photon Energy Systems*	www.photonsolar.com	040-23331337/8/9	varma@photonsolar.in	H.No. 8.2.686/DB/19, Mount View Enclave, Road No. 12, Banjara hills, Hyderabad 500034, Andhra Pradesh
Prachi International*	www.greenforcesolar.in	011-27783982	greenforcesolar@gmail.com	A-14, 1st Floor, Wazirpur Industrial Area, Ring Road 110 052, New Delhi
Pure Solar*	www.puresolar.in	91-9816093233	info@puresolar.in	PA-Pinions, Kasauli Road, Dharampur, Solan 173209, Himachal Pradesh
Powertroniks Solar*	www.powertroniksolar.com	025-24224901	info@powertroniksolar.com	F-6, MIDC, Murbad, Thane 4210401, Maharashtra
Primus Energy Solutions	www.primusservices.co.in	91-9999469992, 9811879002	info@primusservices.co.in	436 A & B, Tower B3, Spaze ITech Park, Sector-49, Sohna Road, Gurgaon 122001, Haryana
Quadson Solar Pvt. Ltd.	www.quadsunsolar.com	91-7875757848	prakash@quadsunsolar.com	Jal Vihar, Vasai Garhi Road, Village Dhankot, Gurgaon
Radiant Energy Technologies*	www.radiantsolars.com	040-27892222	marketing@radiantsolarenergy.com	Flat No. 205, Hanumantha Reddy Complex, Tadbund 'X' Roads, Secunderabad 500009, Telangana
Redsun Solar Industries*	www.redsunin.com	91-9825632875	info@redsunin.com	Plot No. 35, Somnath Industrial Area, Opp. Jamwadi Village, Gondal, Rajkot
RoopArinna Fabricators*	www.rooppolymers.com	0124.-4610801/899	sales@rooppolymers.com	Plot No. 30, Sector-3, IMT Manesar, Gurgaon 122050, Haryana
Savemax Solar Systems*	www.savemaxsolar.com	020-24358781	savemax1@gmail.com	97, Jayaprabha, Jadhavnagar, Vadgaon Budruk, Pune 410541, Maharashtra
Steam Power Enertech*	www.steampowerenertech.com	0281-2372692	steampowersolar@gmail.com	7/10, Sorathiyawadi, Kothariya Main Road, Rajkot 360002, Gujarat
Solar Hitech Geysers*	www.solarhitechsolutions.in	080-23223791	info@solarhitechgeysers.in	No. 4, Sri Krishna, Behind Bhima Jyothi L.I.C. Colony, West Of Chord Road, Bengaluru 560079, Karnataka
Suntek Energy Systems*	www.suntek.co.in	040-600236	suresh@suntek.co.in	Sy no. 240/242, Ground Floor, Chinnathkkata, Bowenpally, Secunderabad, Telangana
Solanand Solar Systems*	www.solanandsolar.nowfloats.com	91-9215627335	solanand2002@yahoo.co.in	KheraChowk, Railway Road, Ambala City 134 003, Haryana
Suntron Energy*	www.suntronenergy.com	0124-4222606	suntron.energy@yahoo.com	546 A, Pace City-II, Sector-37, Gurgaon, Haryana
Sunson energy devices*	www.sunsonenergy.com	011-45160387	sunsonenergy@gmail.com	550, Mandakini Enclave, Alaknanda 110063, New Delhi
Sun Zone Solar Systems*	www.sunzonesolar.com	080-65979935	sunzonesolar56@yahoo.co.in	1/4 ,Balagangadhara Nagar, Nr. Ambedkar College, Mallathahalli, Bangalore 560056, Karnataka
Supreme Solar Systems*	www.supremesolar.in	080-23664415	info@supremesolar.in	No. 16/5, Avalahalli, YelahankaHobli, Doddaballapura Main Road, Bangalore 560064, Karnataka
Sunwaves Energy Saving Systems*	www.sunwavessolar.com	0141-2597153	sesssolar@gmail.com	S-88, Barkat Nagar, Tonk Phatak Jaipur 302015, Rajasthan

Company Name	Website Name	Phone No.	Email Address	Address
Solace Renewable Energy*	www.solacepower.com	033-24406503	solace3000@rediffmail.com	20, Kankulia Road, Kolkata 700029, West Bengal
Samson Solar Power*	www.samsonsolarpower.net	0341-227582	info@samsonsolarpower.net	Mangaldip Apartment, Ground Floor, Mehta Road, Ushagram, Asansol 713303, West Bengal
Sigma Steel & Engineering*	www.sigmasolar.org	033-3295 3536	sigma.rs@hotmail.com	AD-182, Rabindra Pally, Kestopur, Kolkata 700101, West Bengal
Shiv Power Corporation	www.shivpower.com	0120-4236450 , 91-9811160377	info@shivpower.com	A-102, Sector-10, Noida - 201301, Uttar Pradesh
Solar Engineers	www.solarengineers.co	0124-4251775	solarengineers32@gmail.com	Shop No. 1 & 2 IIIrd Floor, Opp Air Force School, Old Delhi-Gurgaon Road, Near Sector-14, Gurgaon, Haryana
Shriram Green Tech*	www.shriramgreentech.com	011-23312267	shriramgreentech@dcmsr.com	5th Floor, Akashdeep Building, Barakhmba Road 110001, New Delhi
Surya Shakti (India)	www.suryashakti.biz	0172-2653299, 2795016	info@suryashakti.biz	739, Industrial Area, Phase-II, Chandigarh 160002, Haryana
Tapan Solar Energy*	www.elecssl.com	011-42111913	abhishek.haralka@tapansolar.com	SF-40, IInd Floor, Crossriver Mall, C.B.D. Ground, Shahdra 110032, Delhi
Tata Power Solar Systems*	www.tatapowersolar.com	080-67772000	sales@tatapowersolar.com	Plot No. 78, Electronics City, Phase I, Hosur Road, Bengaluru 560100, Karnataka
Three Sixty Power Products	www.threesixtygroup.in	91-9643205231, 9910501847	info@threesixty.in	No. 418, 4th Floor, Time Tower, Sector No. 28, M.G. Road, Gurgaon - 122002, Haryana
Urmi Solar	www.urmisolar.com	079-258410730/ 78	info@urmisolar.com	Plot No. 5208, Phase IV, Road No. T1, GIDC Vatva, Ahmedabad 382445, Gujarat
Urja Global	www.urjaglobal.in	011-25279143	info@urjaglobal.in	487/63, 1st Floor, National Market, Peeragarhi 110087, New Delhi
Urja Unlimited	www.urjaunlimited.co.in	91-9810374071	info@urjaunlimited.com	Plot- 783, Sector- 17, Faridabad - 121002, Haryana
Venus Home Appliances*	www.venushomeappliances.com	044-43401515	cmo@venushomeappliances.com	4/993, Kamraj Street, Rajiv Gandhi Salai, Kottivakkam, Perungudi 600096, Chennai
VS Saurya EnerTech	www.sauryaenertech.com	0124-4001137	sales@sauryaenertech.com	864, Udyog Vihar, Phase V, Gurgaon 122016, Haryana
V-GUARD Industries	www.vguard.in	0484-3005000	mail@vguard.in	33/2905 F, Vennala High School Road, Vennala, Kochi-682028, Kerala
Waaree Energies	www.waaree.com	022-66444444	waaree@waaree.com	602, Western Edge I, Western Express Highway, Borivli (East), Mumbai 400066, Maharashtra
WebTech Engineering	www.webtechengg.com	0129- 6460005, 4061902	info@webtechengg.com	Plot No-20, Sector-25, Faridabad 121004, Haryana

*Manufacturers on MNRE website under Manufactures /Suppliers of Systems

Solar LED Lights

Company Name	Website	Phone No	Email	Address
Agile Electronics	www.agile-electronics.com	022-26742094	info@agile-electronics.com	135/108, Andheri Industrial Estate, Andheri(West) Mumbai 400053, Maharashtra
Ammini Solar	www.ammini.com	0471-2705588	solar@ammini.com	Plot Nos. 33-37, Kinfra Small Industries Park, Trivandrum 695586, Kerala
Avi Appliances	www.avi-products.com	079-22923767/ 0835	info@avi-products.com	65-66, Narayan Industrial Estate, Opp. Raipur Mill, Saraspur, Ahmedabad 380018, Gujarat
AV Solar India	www.avsolarindia.com	91-8295422662	sales@avsolarindia.com	2nd Floor, Reliance Webworld, Nigar Road, Ambala Cantt 133004, Haryana
Aecom	www.aecom.com	0124-4830100	aecominvestorrelations@ aecom.com	9th Floor, Infinity Tower C, DLF Cyber City, DLF Phase II, Gurgaon 122002, Haryana
Angi Power and Electronics	www.agnipower.com	033-40610038	info@agnipower.com	114, Rajdanga Gold Park (1st Floor), Kolkata 700107, West Bengal
Bhambri Enterprises	www.bhambriexim.com	011-23541114	bhambri123@gmail.com	794, Joshi Road, Karol Bagh 110005, New Delhi
Bipin Engineers	www.bipsun.com	020-24392064/ 81	contact@bipsun.com	143, Opp. Lokmat Wadgaon Dairy, Sinhgad Road, Pune-411041, Maharashtra
Cascade Helio Thermics	www.visitcascade.com	0422-2400347	info@visitcascade.com	No.3, Cascade Layout, Luna nagar, Coimbatore-641025, Tamil Nadu
Deccan Energy Solutions	www.deccanenergy.in	044-43546810	admin@deccanenergy. co.in	No. 3, Crescent Park Street, T. Nagar, Near Natesan Park, Chennai 600017 Tamil Nadu
Digiflic Controls (india)	www.digiflic.com	080-23457389	sales@digiflic.com	893, 2nd Floor, M.E.S Ring Road, Muthyalangar, Jalahalli, Bengaluru-560054, Karnataka
Ecomax Products	www.ecomaxproducts.com	91-9958960437	ecomaxenergy@gmail. com	E-335, Greater Kailash, Part-II, 2nd Floor 110048, New Delhi
Enn Cee Enterprises	www.enncesolar.com	080-25259959	info@enncesolar.com	No. 542, Chirag, C.M.H. Road, Indiranagar, 1st Stage, Bengaluru 560038, Karnataka
Future Energy	www.future-energy.co.in	91-9810327776, 011-26713631	ankit.fe@hotmail.com	156, Somdatt Chamber II, Bhikaji Cama Place 110066, New Delhi
GK Energy Marketers	www.energymarketers.in	020-24321115	info@energymarketers.in	Flat No. 350, Building 25, Ground Floor, Lokmaya Nagar, L.B.S. Road, Pune 411030, Maharashtra
Green Field Material Handling	www.hararamagroup.com	0251- 2621681/ 82	info@hararamagroup. com	41/6, Vikrant, Manisha Nagar, Kalwa, Thane-400605, Maharashtra
Haryana International	www.matadorled.com	011-27131473	info@matadorled.com	206, 2nd Floor, Vardhman Fortune Mall, GT Karnal Road, Near Hans Cinema 110009, New Delhi
Innovlite India	www.innovlite.com	080-32920984/ 88	raghav@innovindia.com	No.3, 24A, across 4 Lane, Main K.R.Road, Banasankari 2nd Stage, Bengaluru 560070, Karnataka
Insta Power	www.instapower.com	0124-4124000	sales@instapower.com	457, Udyog Vihar, Phase V, Gurgaon 122016, Haryana
Lanco Solar Energy	www.lancogroup.com	0124-6725200	solar@lancogroup.com	Plot No. 404-405, 2nd Floor, Phase III, Udyog Vihar, Gurgaon 122002, Haryana
MIC Electronics	www.micelectronics.com	040-2712 2222	info@mic.co.in	A-4/II, Electronic Complex, Kushaiguda, ECIL Post, Hyderabad 500 062, Andhra Pradesh

Company Name	Website	Phone No	Email	Address
MAS Solar Systems	www.massolarsystems.com	0422-2655995/96	marketing@massolarsystems.com	No.153, Sidco Industrial Estate, Malumichampatti, Coimbatore 641050, Tamil Nadu
Mainframe Energy Solutions	www.mfenergysolutions.com	91-8527745017	info@mfenergysolutions.com	E-124, 1st Floor, Amar Colony, Lajpat Nagar-IV 110024, New Delhi
Numeric Solar Energy	www.numericups.com	044-24993266	solar.info@numericups.com	Numeric House No. 5, Sir P.S. Sivasamy Salai, Mylapore, Chennai 600004, Tamil Nadu
NEC Lighting Company	www.necdelhi.com	91-9312230737, 9313104202	cm.aggarwal@gmail.com	Plot No. 80, Functional Industrial Estate, Patparganj 110092, New Delhi
Ruchi Telecom	www.ruchigreen.com	91-9911115173	info@ruchitelecom.in	F-81, Khanpur Extension 110062, New Delhi
Sigma Steel and Engineers	www.sigmasolar.org	033-32953536	sigma.rs@hotmail.com	AD 182, Rabindra Pally, P.O. Prafulla Kanan, Kestopur, Kolkata-700010, West Bengal
Silver Spark	www.silverspa.com	0120-4570580	sspark@del2.vsnl.net.in	C 143, Hosiery Complex PhaseII, Extension, Noida 201301, Uttar Pradesh
Solsen Solar Equipments	www.solsensolar.com	0452-4500850	info@solsensolar.com	No. 81, P.K.N.A. Tower, Bypass Road, Madurai 625010, Tamil Nadu.
S.S. Solar Energy	www.sssolarenergy.in	91-9540111928	info@sssolarenergy.in	C-415, Sector-10, Noida - 201301, Uttar Pradesh
Survotech India	www.servotech.in	91-9717691830, 9717691800	servotech@servotechindia.com	806, 8th Floor, Crown Height, Hotel Crown Plaza, Sector- 10, Rohini 110085, New Delhi
Selco Solar Light	www.selco-india.com	080-26654509/10	selco@selco-india.com	No. 742, 15th Cross, Phase VI, J.P. Nagar, Bengaluru 560078 Karnataka
Solomax Inc Company	www.solarstreetlights.in	91-8875777761, 8955777737	solomaxsolar@gmail.com	G-32, Golden Times, Near National Handloom, Vidhyadhar Nagar, Jaipur - 302039, Rajasthan
Solar India Enterprises	www.solarindiadelhi.com	91-9811606202	solarindia0009@gmail.com	M-5/4-5-6, Vishal Market, West Mukherjee Nagar 110009, New Delhi
Su-Kam Power Systems	www.su-kam.com	0124-4170500	info@su-kam.com	Plot No. 54, Udyog Vihar, Phase VI, Sector 37, Gurgaon, 122001, Haryana
Surya Shakti (India)	www.suryashakti.biz	0172-2653299, 2795016	info@suryashakti.biz	739, Industrial Area, Phase-II, Chandigarh 160002, Haryana
Tekies India	www.tekiesindia.com	91-9818101417	info@tekiesindia.com	CB-172, 1ST Floor, Ring Road, Naraina, Near Indian Oil Petrol Pump, New Delhi - 110028
Tata Power Solar Systems	www.tatapowersolar.com	080-67772000	sales@tatapower.com	Plot No. 78, Electronics City, Phase I, Hosur Road, Bengaluru 560100, Karnataka
Three Sixty Power Products	www.threesixtygroup.in	91-9643205231, 9910501847	info@threesixty.in	No. 418, 4th Floor, Time Tower, Sector No. 28, M. G. Road, Gurgaon - 122002, Haryana
UM Green Lighting	www.umgreen.in	0124-4326555	vipul@umgreen.in	UM House, Plot No. 35P, Sector-44, Gurgaon 12202, Haryana
VS Saurya EnerTech	www.sauryaenertech.com	0124-4001137	sales@sauryaenertech.com	Udyog Vihar, Phase-V, Gurgaon 122016, Haryana
Vijaya Solar System	www.vijayasolar.com	0820-2557127/327	kspai@vijayasolar.com	NH 66, Katapady, Udupi 574105, Karnataka

Solar Lanterns

Company Name	Website Name	Phone No.	Email Address	Address
Ammini Solar	www.ammini.com	0471-2705588	solar@ammini.com	Plot No. 33-37, Kinfra Small Industries Park, St. Xaviers Collage Post, Trivandrum 695586, Kerala
Arsh Electronics	www.arshelectronics.com	011-22374859	arsh_electronics@arshgpi.com	224, Surya Niketan, Vikas Marg Extension 110092, New Delhi
Avi Appliances	www.avi-products.com	079-22923767 / 0895	info@avi-products.com	65-66, Narayan Industrial Estate, Opp. Raipur Mill, Saraspur, Ahmedabad 380018, Gujarat
AV Solar India	www.avsolarindia.com	91-8295422662	sales@avsolarindia.com	2nd Floor, Reliance Webworld, Nigar Road, Ambala Cantt. Ambala 133004, Haryana
Arc Renewable	www.arcreeewables.in	91-124 4145993	info@arcreeewables.in	Plot No.521, Sector-15, Part-I, Gurgaon-122001, Haryana
Atea Energy	www.atea-energy.com	0124-471 1935	atanu.mukerji@atea-energy.com	Level 6, JMD Regent Square, MG Road, Gurgaon 120002, Haryana
Bipin Engineers	www.bipsun.com	020-24392064	contact@bipsun.com	143, Opp. Lokmat Wadgaon Dairy, Sinhgad Road, Pune 411041, Maharashtra
Conergy Energy Systems (India)	www.conergy.in	080-41880900	info-india@conergy.com	660/1, Indiranagar, 100 Feet Road, Bengaluru 560038, Karnataka
Contrive Instrumentation	www.contrivekota.com	0744-2845057-58	info@contrivekota.com	G1 231 and 232, Kuber Industrial Area, Ranpur, Kota 325003, Rajasthan
Deepa Solar Systems	www.deepasolar.com	080-23188480/83	info@deepasolar.com	4, 80 Feet Ring Road, Near BDA Complex, Nagarabhavi 2nd Stage, Bengaluru 560072, Karnataka
Darbari Green Energy Systems	www.solarplanet.in	011-41006971	info@solarplanet.in	A68, DDA Sheds, Okhla Industrial Area, Phase II 110020, New Delhi
Deshmukh Energy	www.deshmukhenergy.com	91-9225530444	info@deshmukhenergy.com	10, 11, 12 Ganesh Market, Nashik Road, Nashik 422101, Maharashtra
Deccan Energy Solutions	www.deccanenergy.in	044-43546810	admin@deccanenergy.co.in	No. 3, Crescent Park Street, T. Nagar, Near Natesan Park, Chennai 600017, Tamil Nadu
Ecomax Products	www.ecomaxproducts.com	91-9958960437	ecomaxenergy@gmail.com	E-335, Greater Kailash, Part-II, 2nd Floor 110048, New Delhi
Future Energy	www.future-energy.co.in	91-9810327776, 011-26713631	ankit.fe@hotmail.com	156, Somdatt Chamber II, Bhikaji Cama Place 110066, New Delhi
Gautam Solar	www.gautampolymers.com	011-49730000	solar@gautampolymers.com	F 35, Okhla Industrial Area, Phase-I 110020, New Delhi
GK Energy Marketers	www.energy marketers.in	020-24321115	info@energymarketers.in	Flat No. 350, Building 25, Ground Floor, Lokmaya Nagar, L.B.S. Road, Pune 411030, Maharashtra
Green Field Material Handling	www.hararamagroup.com	0251-2621681/82	info@hararamagroup.com	41/6, Vikarant, Manisha Nagar, Lalwa, Thane 400605, Maharashtra
Insta Power	www.instapower.com	0124-4124000	sales@instapower.com	457, Udyog Vihar, Phase-V, Gurgaon 122016, Haryana
Innovlite India	www.innovlite.com	080-32920984-88	raghav@innovindia.com	No.3, 24A, across 4 Lane, Main K.R.Road, Banasankari 2nd Stage, Bengaluru 560070, Karnataka

Company Name	Website Name	Phone No.	Email Address	Address
Jakson Power Solutions	www.jakson.com	0120-4302600	info@jakson.com	A 43, Phase-II, Extension, Noida 201305, Uttar Pradesh
Kavita Solar Energy	www.kavitasolar.com	01232-261855	info@kavitasolar.com	No. 231, New Defence Colony, Muradnagar, Ghaziabad 201206, Uttar Pradesh
Kotak Urja	www.kotakurja.com	080-28363330	kotakurja@kotakurja.com	378, 10th Cross, 4th Phase, Peenya Industrial Area, Bengaluru 560058, Karnataka
Modern Solar	www.modernsolar.in	033-65228530	info@modernsolar.in	7, Camac Street, 3rd Floor, Azimganj House, Kolkata 700017, West Bengal
Mainframe Energy Solutions	www.mfenergysolutions.com	91-8527745017	info@mfenergysolutions.com	E-124, 1st Floor, Amar Colony, Lajpat Nagar- IV 110024, New Delhi
MicroSun Solar Tech	www.microsunsolar.com	080-28367845/35	info@microsunsolar.com	No.74/2, B. Krishnappa Industrial Estate, 16th Cross, Srigandhanagar, Hegganahalli, 2nd Stage, Bengaluru 560091, Karnataka
MAS Solar Systems	www.massolarsystems.com	0422- 2655995/96	marketing@massolarsystems.com	No.153, Sidco Industrial Estate, Malumichampatti, Coimbatore 641050, Tamil Nadu
MIC Electronics	www.micelectronics.com	91-402712 2222	info@mic.co.in	A-4/II, Electronic Complex, Kushaiguda, ECIL Post, Hyderabad 500 062, Andhra Pradesh
Nilloy Newsun Technologies	www.nilloy.com	0141-6532575	ceosupersolar@gmail.com	A 2, Kailaspuri A, New Sangner Road, Sodala, Jaipur 302019, Rajasthan
Primus Energy Solutions	www.primuservices.co.in	91-9999469992 / 9811879002	info@primuservices.co.in	436 A & B, Tower B3, Spaze I Tech Park, Sector-49, Sohna Road, Gurgaon 122001, Haryana
Ruchi Telecom	www.ruchigreen.com	91-9911115173	info@ruchitelecom.in	F-81, Khanpur Extension 110062, New Delhi
Solar India Enterprises	www.solarindiadelhi.com	91-9811606202	solarindia0009@gmail.com	M-5/4-5-6, Vishal Market, West Mukherjee Nagar 110009, New Delhi
Sigma Steel and Engineers	www.sigmasolar.org	033-32953536	sigma.rs@hotmail.com	AD 182, Rabindra Pally, P.O. Prafulla Kanan, Kestopur, Kolkata-700010, West Bengal
Sun Energy Systems	www.sunenergysystems.in	02692-230317	info@sunenergysystems.in	Plot No. 131/A, Phase I, G.I.D.C., Vithal Udyognagar, Anand 388121, Gujarat
Three Sixty Power Products	www.threesixtygroup.in	91-9643205231, 9910501847	info@threesixty.in	No. 418, 4th Floor, Time Tower, Sector No. 28, M. G. Road, Gurgaon - 122002, Haryana
Tata Power Solar Systems	www.tatapowersolar.com	080-67772000	sales@tatapower.com	Plot No. 78, Electronics City, Phase-I, Hosur Road, Bengaluru 560100, Karnataka
VS Saurya EnerTech	www.sauryaenertech.com	0124-4001137	sales@sauryaenertech.com	864, Udyog Vihar, Phase-V, Gurgaon 122016, Haryana
WebTech Engineering	www.webtechengg.com	0129- 6460005/4061902	info@webtechengg.com	Plot No-20, Sector-25, Faridabad 121004, Haryana
Waaree Energies	www.waaree.com	91-9953106365	ankityagi@waaree.com	602, Western Edge- I, Off. Western Express Highway, Borivali(East), Mumbai 400066, Maharashtra
Zestha Developers	www.zesthagreenhouse.com	91-9810132836	info@zestha.com	F - 436, Sector No. 63, Noida - 201302, Uttar Pradesh

Solar Cookers

Company Name	Website Name	Phone No.	Email Address	Address
Aksons Solar Equipments	www.aksonsolar.net	020-25380109	aseplpune@gmail.com	42/1, Vatsala-Damodar, Sahajanand Society, Kothrud, Pune 411038, Maharashtra
Ados Renewable*	www.adossolar.com	0135-6453620	jsbisht@adossolar.com	H-17, Samridhi Enclave, Kargi, Dehradun, Uttarakhand
Akshaya Solar Power India	www.akshayasolar.com	91-9848037227	raju@akshayasolar.com	Plot No. 60/C/E, Phase-I, IDA Jeedimetla, Hyderabad 500055, Andhra Pradesh
Aadhunik Global Energy*	www.tinytechindia.com	0281-2480166	Energy@Tinytechindia.com	Tinytech Plants, Tagore Road, Rajkot 36000, Gujarat
Continental Solar	www.continentalsolar.com	0124-4031610	customercare@continentalsolar.com	Unit-12A, 2nd Floor, MGF Mega City, MG Road, Gurgaon 122002, Haryana
Deccan Energy Solutions	www.deccanenergy.in	044-43546810	admin@deccanenergy.co.in	No. 3, Crescent Park Street, T. Nagar, Near Natesan Park, Chennai 600017, Tamil Nadu
Essential Equipments	www.essentialequipments.com	0256-2239330	essential_equipments@yahoo.co.in	G-63, MIDC, Awabhan, Dhule 424006, Maharashtra
Fabrako Engineers*		0535-2217089	rajivfabrako@yahoo.in	E-6, Industrial Area-2, Amawan Road, Rae Bareilly 229001, Uttar Pradesh
Fair Fabricators*		91-9425316707	fairfabricators@hotmail.com	142, Tilak Nagar, Near Post Office, Indore 452018, Madhya Pradesh
Green Field Material Handling	www.hararamagroup.com	0251-2621681/82	info@hararamagroup.com	41/6, Vikarant, Manisha Nagar, Lalwa, Thane 400605, Maharashtra
G K Energy Marketers*	www.energymarketers.in	020-24321115	info@energymarketers.in	F No. 350, Block No. 25, Ground Floor, Near IDBI Bank, Lokmanya Nagar, LBS Road, Pune 411030, Maharashtra
Jakson Power Solutions	www.jakson.com	0120-4302600	info@jakson.com	A-43, Phase-II Extension, Noida 201305, Uttar Pradesh
Kaihatsu Techno Centre	www.ktcpl.com	022-28576348	sales@ktcpl.com	Unit-36, B-Wing, Ground Floor, Solaris Building-I, Baji Pasalkar Marg, Saki Vihar, Andheri (East) 400072, Maharashtra
Manik Solar Innovation	www.manikinnovation.com	0181-2404454/55	manikinnovation@gmail.com	Adda Bastian Road, Near Raja Hospital, Jalandhar 144008, Punjab
Nakshatra Solar*		91-9424238525	xprocables@gmail.com	Near Old Bus Stand, Ratnabandha Road, Dhamtari 493773, Chattisgarh
Nucifera Renewable Energy Systems*		0816-2290142	nucifera.2008@rediffmail.com	Raghavendra Nagar, Behind Devanur Church, Nalanda Convent Parallel Road, Tumkur 572102, Karnataka
Pragat Akshay Urja*	www.pragatakshayurja.com	91-7292400384	pragaton@gmail.com	Plot No. 41, Sector- 3, Bagdoon Village, Pithampur, Dhar 454774, Madhya Pradesh
Rohtas Electronics*	www.tulsisolarcooker.com	0512-2305564	rohitassolar@gmail.com	15/268-B, Civil Lines, Kanpur 208001, Uttar Pradesh
Rawat Industries Total Solar Solutions *		91-9425312396	ultrapure@rediffmail.com	143, Tilak Nagar, Near Post Office, Indore 452018 (M.P)
Rudra Solar Energy	www.rudrasolarenergy.com	91-9327962332	info@rudrasolarenergy.com	Rudra House, E/10, Kalpataru Society, Chhatrapati Shivaji Marg, Surat 395009, Gujarat

Company Name	Website Name	Phone No.	Email Address	Address
Rural Engineering*	www.sggg.org	02847-294127	ruralschool@rediffmail.com	Rural Engineering School, Rojmal, Gadhada, Bhavnagar 364750, Gujarat
Star Energy Systems*	www.starenergyindia.com	079-26581298	info@starenergyindia.com	210-A, Nirman House, Near Times of India, Ashram Road, Ahmedabad-380 009
Solar World*	www.solarcookerindia.com	91-9825074591	solarworld.org@gmail.com	Solar World Motiram Building, Tejas Provision, Rajkot 360001, Gujarat
Shriram Green Tech	www.shriramgreentech.com	011-23312267	shriramgreentech@dcmr.com	5th Floor, Akashdeep Building, Barakhmba Road 110001, New Delhi
Sunmitra Solar*	www.sunmitrasolar.co.in	0121-62245025	sunmitrasolar@gmail.com	Plot No. B-42/3, Salunke Industries, Old MIDC, Satara 415004, Maharashtra
Su Solartech Systems*	www.susolartech.com	0172-2792576	solartech@susolartech.com	SCO-184, Sector-7C, Chandigarh 160019, Haryana and Punjab
Sharada Inventions*	www.sharadainventions.com	0253-2352444	suresh.kapadia@gmail.com	94/1, MIDC, Satpur, Nashik 422007, Maharashtra
Steam Power Energetech*	www.steampowerenergetech.com	0281-2370006	steampowersolar@gmail.com	Kothariya Main Road, Near Sorathiyawadi Circle, Rajkot 360002, Gujarat
Tata Power Solar Systems	www.tatapowersolar.com	080-67772000	sales@tatapower.com	Plot No. 78, Electronics City, Phase-I, Hosur Road, Bengaluru 560100, Karnataka
Taylor-made Solar Solutions*	www.tss-india.com	91-7940035875	info@tss-india.com	C-1/B-51, GIDC Pardi, Taluka Pardi, Valsad 396125, Gujarat.
The Social Work and Research Centre*	www.barefootcollege.org	91-9414766993	contact@barefootcollege.org	Tilonia, Via Madanganj, Ajmer 305816, Rajasthan
Thermax*	www.thermaxindia.com	020-67308885	csg@thermaxindia.com	Solar Division, 4th Floor, Energy House, D-II Block, Plot No. 38 & 39 MIDC, Chinchwad, Pune 411019, Maharashtra
Unisun Technologies*	www.unisun.net	080-22289663	info@unisun.net	7, 1st Floor, Kodava Samaja Building, 1st Main Road, Vasanthanagar, Bengaluru - 560052, Karnataka
Uratom Solar India*	www.uratom.com	91-2825227924	bhavesh@uratom.com	Plot No- 100, GIDC-II, Jamwadi, NH-8-B, Gondal, Rajkot 360311, Gujarat
Urmisolar	www.urmisolar.com	079-258410730/78	info@urmisolar.com	Plot No. 5208, Phase IV, Road No. T-1, GIDC Vatva, Ahmedabad 382445, Gujarat
Universal Engineers Enterprises *		0591-2490833	universal.engrs@rediffmail.com	Garg Bhawan, Prince Road-3, Gandhi Nagar, Near Amco Industries, Moradabad 244001, Uttar Pradesh
USHA Engineering Works*		0416-2240670	solltechuew@yahoo.co.in	10, 2nd New Street, Thiru Nagar, Vellore 632006, Tamil Nadu
Vijaya Solar Systems*	www.vijayasolar.com	0820-2557127	vijayasolar@yahoo.com	NH-66, Katapady, Udipi 574105, Karnataka
Vishvakarma Solar Energy Co.*		01826-22523		G.T. Road , Phillour, Jalandhar, Punjab
Waaree Energies*	www.waaree.com	022-66444444	waaree@waaree.com	602, Western Edge-I, Western Express Highway, Borivli (East), Mumbai 400066, Maharashtra

* Manufacturers on MNRE website under Manufactures /Suppliers of Systems

Solar Inverters

Company Name	Website Name	Phone No.	Email Address	Address
Agni Power & Electronics	www.agnipower.com	033-24127367	info@agnipower.com	10/72, Bijaygarh, Kolkata 700092, West Bengal
Apex International	www.apex-international.org	0120-2574851	lalitkhanna@apexint.org	B-65, Street No.1, Dabri Industrial Area 110045, New Delhi
AV Solar India	www.avsolarindia.com	91-8295422662	sales@avsolarindia.com	2nd Floor, Reliance Webworld, Nigar Road, Ambala Cantt 133004, Haryana
Avi Appliances	www.avi-products.com	079-22923767/0835	info@avi-products.com	65-66, Narayan Industrial Estate, Opp. Raipur Mill, Saraspur, Ahmedabad 380018, Gujarat
Ammini Solar	www.ammini.com	0471-2705588	solar@amimini.com	Plot Nos. 33-37, Kinfra Small Industries Park, Trivandrum 695586, Kerala
Arc Renewable	www.arcreeewables.in	0124-4145993	info@arcreeewables.in	Plot No.521, Sector-15, Part-I, Gurgaon 122001, Haryana
Bonfiglioli Pvt. Ltd.	www.bonfiglioli.com	91-8028361014	brpci@bonfiglioli.com	No. 543, 14th Cross, 4th Phase, Peenya Industrial Area, Bangalore, 560058, Karnataka
Conergy Energy Systems (India)	www.conergy.in	080-41880900	info-india@conergy.com	660/1, Indiranagar, 100 Feet Road, Bengaluru 560038, Karnataka
Enertech	www.enertechups.com	020-20291176	support@enertechups.com	S.No.399/1-2, Bhare, Ghotawade, Near Pirangut, Taluka-Mulshi, Pune 412115, Maharashtra
Everon Energy Systems	www.everon.in	011-65694430/ 31	mktg@everon.in	Everon House, C-74, IIInd Floor, Sharda Puri, Ring Road 110015, New Delhi
Eeco Insta Power	www.eecoinstapower.com	0124-6471785	jmyadav@eecoinstapower.com	648, Gali No.3, Bhawani Enclave, Basai Road, Gurgaon, Haryana
Finetech Systems	www.finetechsystems.in	04296-273303	finetechsystems@yahoo.co.in	3/177, Devampalayam, Palangarai, Avinashi, Tirupur 641654, Tamil Nadu
Fortunres Advanced Technology Solutions	www.fortuners.net	01232-292899	info@fortuners.net	Fortuner Tower, NH-58, Delhi-Meerut Road, Modinagar 201204, Ghaziabad, Uttar Pradesh
Future Energy	www.future-energy.co.in	91-9810327776, 011-26713631	ankit.fe@hotmail.com	156, Somdatt Chamber II, Bhikaji Cama Place 110066, New Delhi
Gautam Solar	www.gautampolymers.com	011-49730000	solar@gautampolymers.com	F-35, Okhla Industrial Area, Phase-I, 110020, New Delhi
Giriraj Electronics	www.girirajsystems.com	0261-6594113	info@girirajsystems.com	11, Aradhana Society, B/H Navyug College, Rander Road, Surat 395009, Gujarat
G.P. Tronics	www.gptronics.com	91-3322154705	saikat@gptronics.com	502, kamalaya Centre, 156-A Lenin Sarani, kolkata 700013, West Bengal

Company Name	Website Name	Phone No.	Email Address	Address
Indosol Energy	www.indosolenergy.in	91-7411164660	info@indosolenergy.in	No. 393, 2nd Cross, 3rd Phase, 5th Block, B.S.K., 3rd Stage, Bengaluru 560085, Karnataka
Jakson Power Solutions	www.jakson.com	0120-4302600	info@jakson.com	A-43, Phase-II Extension, Noida 201305, Uttar Pradesh
Junna Solar System	www.junnasolarsystems.com	040-65999222	junnasolarsystems@gmail.com	Survey No. 477, Plot No.17&18, IDA, Pragathi Nagar, Ext. Vignanapuri Colony, Kukat Pally, Hyderabad 500072, Andhra Pradesh
Kotak Urja	www.kotakurja.com	080-28363330	kotakurja@kotakurja.com	378, 10th Cross, Phase-4, Peenya Industrial Area, Bengaluru 560058, Karnataka
Kavita Solar Energy	www.kavitasolar.com	01232-261855	info@kavitasolar.com	No. 231, New Defence Colony, Muradnagar, Ghaziabad 201206, Uttar Pradesh
Kongu Engineers	www.kongupower.com	044-24330020	support@kongupower.com	2/12, Appadurai Street, Thiruvalluvar Salai, Near SIET College, Teynampet, Chennai, 600018, Tamil Nadu
Lubi Electronics	www.lubielelectronics.com	079-39845300	info@lubielelectronics.com	Sardar Patel Ring Road, Nana Chiloda, Gandhinagar 382 330, Gujarat
Maruthi Solar Systems	www.maruthisolar.com	080-23253889	info@maruthisolar.com	41,42,43, SY. No.10/1, Abbigere Main Road, Near Bus Stop, Kereguddadahalli, Bengaluru 560090, Karnataka
Microtek	www.microtekdirect.com	011-42733377	ho@microtekdirect.com	H-57, Udyog Nagar, Rohtak Road 110041, New Delhi
NEC Lighting Company	www.necdelhi.com	91-9312230737, 9313104202	cm.aggarwal@gmail.com	Plot No. 80, Functional Industrial Estate, Patparganj 110092, New Delhi
Numeric Solar Energy	www.numericups.com	044-24993266	info@numericups.com	Numeric House No. 5, Sir P.S. Sivasamy Salai, Mylapore, Chennai 600004, Tamil Nadu
Novergy Power Generation	www.novergy.co.in	294-2415487	support@novergy.net	1, Navlok Navratan Complex, Bedla Road, Udaipur 313001, Rajasthan
Powertroniks Solar	www.powertroniksolar.com	025-24224901	info@powertroniksolar.com	F-6, MIDC, Murbad, Thane 4210401, Maharashtra
Protonics Systems India	www.protonicsystems.com	0120-4351618	info@protonicsystems.com	C-45, Sector- 81, Phase- 2, Noida 201305, Uttar Pradesh
Powerone Micro Systems	www.poweroneups.com	080-28398730	poweroneups@Poweroneups.com	GF-3, KSSIDC, Multistoreyed Building, 5th Cross, 1st Stage, Peenya Industrial Estate, Bengaluru 560058, Karnataka
Ruchi Telecom	www.ruchigreen.com	91-9911115173	info@ruchitelecom.in	F-81, Khanpur Extension 110062, New Delhi
Statcon Power Controls	www.stat-con.com	0120-3851760	info@stat-con.com	A-34, Sector-59, Noida-201301, Uttar Pradesh
Sun Energy Systems India	www.sunenergysystems.com	040-27263770	satish@sunenergysystems.com	Plot No. 133/1/B, Phase-II, IDA, Cherlapally, Hyderabad 500051, Andhra Pradesh

SOLAR INVERTERS

Company Name	Website Name	Phone No.	Email Address	Address
Surya Shakti (India)	www.suryashakti.biz	0172-2653299	info@suryashakti.biz	739, Industrial Area, Phase-II, Chandigarh 160002, Haryana
Shiv Power Corporation	www.shivpower.com	0120-4236450	info@shivpower.com	A-102, Sector-10, Noida 201301, Uttar Pradesh
S.S. Solar Energy	www.sssolarenergy.in	91-9350111928	info@sssolarenergy.in	C-415, Sector-10, Noida 201301, Uttar Pradesh
SS Solar	www.sssolar.co.in	040-27775588	info@sssolar.co.in	C-2, Pooja Plaza Vikrampuri, Secunderabad 500009, Telangana
Surana Ventures	www.suranaventures.com	040-44665700	solar@surana.com	5th Floor, Surya Towers, Sardar Patel Road, Secunderabad 500003, Andhra Pradesh
Su-Kam Power Systems	www.su-kam.com	0124-4170500	info@su-kam.com	Plot No. 54, Udyog Vihar, Phase-VI, Sector-37, Gurgaon 122001, Haryana
Tata Power Solar Systems	www.tatapowersolar.com	011-45633333	sales@tatapower.com	4th Floor, M-6, Uppal Building, Jasola 110025, New Delhi
Techser Power Solutions	www.techser.com	080-23326606	info@techser.com	No. 652, III Floor, Dr. Rajkumar Road, IIInd Stage, Rajaji Nagar, Bengaluru 560010, Karnataka
True Power International	www.truepower.in	011-27833603	info@truepower.in	BG-135, Sanjay Gandhi Transport Nagar 110042, New Delhi
Three Sixty Power Products	www.threesixtygroup.in	91-9643205231, 9910501847	info@threesixty.in	No. 418, 4th Floor, Time Tower, Sector-28, M.G. Road, Gurgaon 122002, Haryana
Urja Unlimited	www.urjaunlimited.co.in	91-9810374071	info@urjaunlimited.com	Plot- 783, Sector-17, Faridabad 121002, Haryana
Urja Global	www.urjaglobal.in	011-25279143	info@urjaglobal.in	487/63, 1st Floor, National Market, Peeragarhi 110087, New Delhi
Vidyut Power Systems	www.vidyutpower.com	91-9880736025	sales@vidyutpower.com	B-706, Purva Fountain Square, Near Marathahalli Bridge, Varthur Main Road, Bengaluru 560037, Karnataka
V-Guard Industries	www.vguard.in	0484-3005000	mail@vguard.in	F-33/2905, Vennala High School Road, Vennala, Kochi 682028, Kerala
VS Saurya EnerTech	www.sauryaenertech.com	0124-4001137	sales@sauryaenertech.com	864, Udyog Vihar, Phase-V, Gurgaon 122016, Haryana
Waaree Energies	www.waaree.com	022-66444444	waaree@waaree.com	602, Western Edge-I, Western Express Highway, Borivli (East), Mumbai 400066, Maharashtra

Solar Finance Players

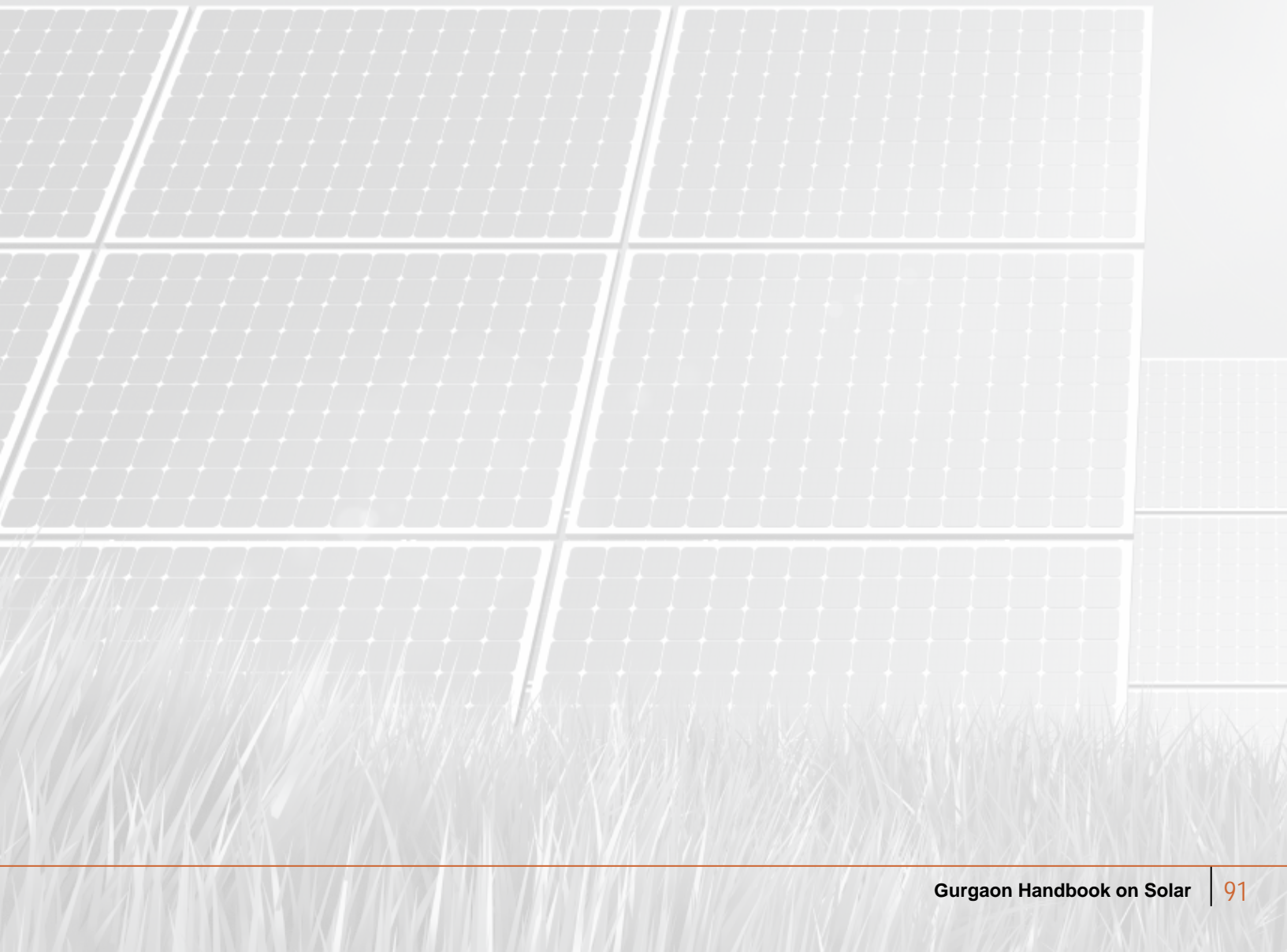
Financial Institution Name	Website Name	Phone No.	Email Address	Address
Allahabad Bank	www.allahabadbank.in	033-22420851	gmpd@allahabadbank.in	2, N.S. Road, Kolkata 700001, West Bengal
Andhra Bank	www.andhrabank.in	040-2323419	corp@andhrabank.co.in	5-9-11, Dr. Pattabhi Bhavan, Secretariat Road, Saifabad, Hyderabad 500004, Andhra Pradesh
Asian Development Bank	www.adb.org	011-24107200	adbinrm@adb.org	Indian Resident Mission, 4 San Martin marg, Chanakyapuri 110021, New Delhi
Axis Bank	www.axisbank.com	022-24252525	corporate.communication@axisbank.com	Bombay Dyeing Mills Compound, Pandurang Budhakar Marg, Worli, Mumbai 400025, Maharashtra
Bank of America	www.bankofamerica.com	022-66323000	fixedincomeir@bankofamerica.com	Express Tower Ground, 1st, 18th and 19th Floor, Nariman Point, Mumbai 400021, Maharashtra
Bank of Baroda	www.bankofbaroda.com	0265-2563932	info@bankofbaroda-be.com	Baroda House, P.B. No. 506, Mandavi, Baroda 396006, Gujarat
Bank of India	www.bankofindia.co.in	022-66684444	Headoffice.csd@bankofindia.co.in	Star House, C 5, G Block, Bandra-Kurla Complex, Bandra (East), Mumbai 400051, Maharashtra
Bessemer Venture Partners	www.bvp.com	022-66162001	india@bvp.com	No. 71, Free Press House, 7th Floor, Free Journal Road, 215 Nariman Point, Mumbai 400021, Maharashtra
Blackstone Advisors India	www.blackstone.com	022-67528500	gupta@blackstone.com	Express Tower, Nariman Point, Mumbai 400021, Maharashtra
Canara Bank	www.canarabank.in	080-25550029	ccso@canarabank.com	112, J.C. Road, Bengaluru 560002, Karnataka
Central Bank of India	www.centralbankofindia.co.in	022-66387777	agmcompsec@centralbank.co.in	9th Floor, Chander Mukhi, Nariman Point, Mumbai 400021, Maharashtra
Citi Bank	www.online.citibank.co.in	022-61759999	principal.nodal.officer@citi.com	FIFC, Plot No. C54 and C55, G Block, Bandra (East), Mumbai 400051, Maharashtra
Corporation Bank	www.corpbank.com	0824-2426416	query@corpbank.co.in	Mangaladevi Temple Road, Pandeshwar, Mangalore 575001, Karnataka
DE Shaw India	www.deshawindia.com	022-42671000	inquiries@deshaw.com	Securities, Fortune 2000, 3rd Floor, B Wing, Bandra-Kurla Complex, Bandra (East), Mumbai 400051, Maharashtra
DEG	www.deginvest.de	011-24653108	armin.albert@deginvest.de	21, Jor Bagh 110003, New Delhi
HDFC Bank	www.hdfcbank.com	022-66521000	support@hdfcbank.com	1st Floor, C.S. No. 6/242, Senapati Bapat Marg, Lower Parel, Mumbai 400013, Maharashtra
ICICI Bank	www.icicibank.com	022-26531397	managingdirector@icicibank.com	ICICI bank Towers, Bandra-Kurla Complex, Bandra (East), Mumbai 400051, Maharashtra
IDBI Bank	www.idbi.com	022-22189111	customercare@idbi.co.in	IDBI Tower, WTC Complex, Cuffe Parade, Colaba, Mumbai 400005, Maharashtra

SOLAR FINANCE PLAYERS

Financial Institution Name	Website Name	Phone No.	Email Address	Address
IFCI	www.ifcilt.com	011-41792800	helpdesk@ifcilt.com	IFCI Tower, 61 Nehru Place 110019, New Delhi
India Infrastructure Finance Company	www.iifcl.org	011-23708263/64	info@iifcl.org	8th Floor, Hindustan Times Building, 18& 20, Kasturba Gandhi Marg 110001, New Delhi
Indian bank	www.indianbank.in	044-28134300	nodalofficer@indianbank.co.in	P.B. No. 5555, 254-260, Avvai Shanmugam Salai, Royapettah, Chennai 600014, Tamil Nadu
Indiabulls Financial Services	www.financial.indiabulls.com	022-61891600	customerserviceloans@indiabulls.com	Indiabulls House, Indiabulls Finance Centre, Senapati Bapat Marg, Elphinstone Road, Mumbai 400013, Maharashtra
Indian Overseas Bank	www.iob.in	044-28524212	kvkrishnan@iobnet.co.in	763, Anna Salai, Chennai 600002, Tamil Nadu
IndusInd Bank	www.indusind.com	022-42207777	exclusive@indusind.com	P.O. Box 9421, Chakala MIDC, Andheri (East), Mumbai 400093, Maharashtra
Indian Renewable Energy Development Agency	www.ireda.gov.in	011-26717400	cmd@ireda.gov.in	3rd Floor, August Kranti Bhawan, Bhikaji Cama Place 110066, New Delhi
Infrastructure Development Finance Company	www.idfc.com	022-42222000	arun.raste@idfc.com	Naman Chambers, C 32, G Block, Bandra-Kurla Complex, Bandra (East), Mumbai 400051, Maharashtra
Infrastructure Leasing and Financial Services	www.ilsindia.com	022-26533333/232	info@ilsindia.com	IL&FS Financial Centre, Plot - C 22, G Block, Bandra-Kurla Complex, Bandra (East), Mumbai 400051, Maharashtra
International Finance Corporation	www.ifc.org	011-41111000/3000	southasia@ifc.org	3rd and 4th Floor, Maruti Suzuki Building, 1 Nelson Mandela Marg, Vasant Kunj 110070, New Delhi
Kotak Mahindra Bank	www.kotak.com	022-66581100	service.bank@kotak.com	Apple Building, Bandra-Kurla Complex, Bandra (East), Mumbai 400051, Maharashtra
L&T Infrastructure Finance Company	www.ltinfra.com	022-40605353	info@ltinfra.com	B 3, Laxmi Towers, 2nd Floor, Laxmi Towers, G Block, Plot No. C 25, Bandra-Kurla Complex, Bandra (East), Mumbai 400051, Maharashtra
Life Insurance Corporation of India	www.licindia.in	022-22824386	ed_cc@licindia.com	Yogakshema, East Wing, Jeewan Bima Marg, Mumbai 400021, Maharashtra
Olympus Capital Holdings	www.olympuscap.com	0124-4517000	info@olympuscap.com	Unit No. 407, 4th Floor, Tower B, Signature Towers, South City I, Gurgaon 122002, Haryana
Oriental Bank of Commerce	www.obcindia.co.in	0124-4126200/300	edp_gur@obc.co.in	Plot No. 5, Sector 32, Institutional Area, Gurgaon 122001, Haryana
Power Finance Corporation	www.pfcindia.com	011-23456000	pfcgel@pfcindia.com	Urjanidhi, 1, Barakhamba Lane, Connaught Place 110001, New Delhi
Punjab and Sind Bank	www.psbindia.com	011-25719082	ho.pr@psb.org.in	21, Rajendra Place 110008, New Delhi
Punjab National Bank	www.pnbindia.com	011-26108741	website@pnb.co.in	7, Bhikaji Cama Place 110066, New Delhi
Rural Electrification Corporation	www.recindia.nic.in	011-24365161	recorp@recl.nic.in	Core 4, SCOPE Complex, 7 Lodhi Road 110033, New Delhi

Financial Institution Name	Website Name	Phone No.	Email Address	Address
SREI Infrastructure Financial	www.srei.com	033-61607734	corporate@srei.com	86-C, Topsia Road (South), Vishwakarma, Kolkata 700046, West Bengal
Standard Chartered	www.standardchartered.com	022-26757033/38	customer.care@sc.com	Crescenzo 7/F C 38/39, G Block, Bandra-Kurla Complex, Bandra (East), Mumbai 400051, Maharashtra
State Bank of India	www.statebankofindia.com	022-22022799	chairman@sbi.co.in	Corporate Centre, State Bank Bhawan, Madam Cama Road, Mumbai 400021, Maharashtra
Syndicate Bank	www.syndicatebank.in	080-22267545	cmdsectt@syndicatebank.co.in	II Cross, Gandhi Nagar, Bengaluru 560009, Karnataka
Tata Capital	www.tatacapital.com	022-67459000	contactus@tatacapital.com	Dr. V.B. Gandhi Marg, Fort, Mumbai 400001, Maharashtra
Temasek Holdings Advisors India	www.temasekholdings.com.sg	022-66545500	rohit.sipahimalani@temasek.com.sg	12, 3 North Avenue, Maker Maxity, Bandra-Kurla Complex, Bandra (East), Mumbai 400051, Maharashtra
UCO Bank	www.ucobank.com	033-44557227	uco.custcare@ucobank.co.in	10, B.T.M. Sarani, Kolkata 700001, West Bengal
Union Bank of India	www.unionbankofindia.co.in	022-22892000	investorservices@unionbankofindia.com	Union Bank Bhavan, 239, Vidhan Bhavan Marg, Nariman Point, Mumbai 400021, Maharashtra
United Bank of India	www.unitedbankofindia.com	033-22100418	webmaster@unitedbank.co.in	United Tower, 11 Hemanta Basu Sarani, Kolkata 700001, West Bengal
Vijaya Bank	www.vijayabank.com	080-25584662	neft@vijayabank.co.in	41/2, Trinity Circle, M.G. Road, Bengaluru 560001, Karnataka
Warburg Pincus India	www.warburgpincus.com	022-66500000	ed.trissel@warburgpincus.com	Express Towers, 7th Floor, Nariman Point, Mumbai 400021, Maharashtra
World Bank	www.worldbank.org/en/country/india	011-41479301	smozumder@worldbank.org	70, Lodhi Estate 110003, New Delhi
Yes Bank	www.yesbank.in	022-66699000	yestouch@yesbank.in	Nehru Centre, 9th Floor, Discovery Of India, Dr. A. B. Road, Worli, Mumbai 400018, Maharashtra

POTENTIAL BUYERS – KEY STAKEHOLDERS OF GURGAON



OVERVIEW

Gurgaon is no longer simply a satellite town close to Delhi. It has come up as a sprawling residential, corporate and industrial hub.

The city houses corporate offices of 250 of the Fortune 500 companies. Most of the prominent global Business Process Outsourcing firms have their offices in Gurgaon. The city has some of the best condominiums and residential complexes in northern India. It also has a significant industrial base in Manesar and Udyog Vihar.

Gurgaon's electricity demand has doubled in the last five years. The city consumes about 2,000 MW of electricity from the grid and another 1,500 MW by diesel gensets. Electricity from diesel gensets is both polluting and high-price.

With large buildings - including malls, super-speciality hospitals, hotels and clubs and educational institutions - and enough number of sunny days, Gurgaon is ideally placed to exploit the goodness of solar, especially solar roof top systems. Adoption of solar can not only reduce dependence on grid power and diesel-based power, it can also help reduce electricity bills over time. Besides, solar power is clean, green power that can contribute towards Gurgaon becoming a sustainable city. Over time, with net metering and grid connections, solar users could also sell their surplus solar power to the distribution utility and make revenues.

The state government is also encouraging the use of solar. The Haryana Government had mandated the use of solar water heaters in 2005. More recently, in September 2014, it has mandated the use of solar PV for buildings of 500 square yards and above. There is a growing awareness and acceptance towards switching to solar in the city. Gurgaon can certainly do much more than the 3.8 MW solar capacity it has today.

The following section gives an overview and listings of key stakeholders of Gurgaon. It includes Gurgaon's Authorities, Citizen Groups, RWAs, NGOs, Schools, Industrial Associations, Colleges, institutions, Hotels, Hospitals and Commercial Hubs of Gurgaon. They have a crucial role to play in taking the solar cause forward and help make Gurgaon a solar city. The lists are not comprehensive, but representative only.

Authorities in Gurgaon

Dakshin Haryana Bijli Vitran Nigam

Dakshin Haryana Bijli Vitran Nigam (DHBVN) Limited is state-owned electric utility company under Government of Haryana with headquarters in Hisar. Its operations are divided geographically into six circles, namely, Hisar, Narnaul, Bhiwani, Gurgaon, Faridabad and Sirsa. DHBVN serves about 2.50 million consumers of different categories with revenue of Rs. 84 billion. DHBVN distributes about 4,368 MW of electricity.

Contact:

Dakshin Haryana Bijli Vitran Nigam

Vidyut Sadan, Vidyut Nagar, Hisar 125005, Haryana

Gurgaon Address: Operation Circle, Mehrauli Road, Opp. Dev Cinema

Near City Police Station, Gurgaon, Haryana

Phone: 0124-2306590

Email: se.gurgaon@gmail.com

Department of Town & Country Planning-Haryana

The Department of Town & Country Planning-Haryana (DTCP) is the nodal department to enable regulated urban development in the state of Haryana. The policies of the department aim at encouraging a healthy competition amongst various private developers and public sector entities for integrated planned urban development. It is also responsible for integrated regional development within National Capital Region.

Contact:

Department of Town & Country Planning

Director General, SCO-71-75 (1st to 3rd Floor), Sector-17C, Chandigarh

Gurgaon Address: STP, HUDA Complex, Sector-14, Gurgaon, Haryana

Phone: 0172-2548475, 0172-2549851, 0172-2549349

Email: tcphry2@gmail.com / stp1.gurgaon.tcp@gmail.com

Deputy Commissioner's Office

Deputy Commissioner's Office (DC Office) is divided in various branches, which deals with law and order, judicial, recovery of dues, environmental issues, natural calamities, census work, renewal of arms licenses, issue of driving licenses, panchayat control work, flood relief as well as Adhaar card information.

Contact:

Deputy Commissioner's Office

IIIrd Floor, Mini Secretariat, Near Rajiv Chowk, Sector-51, Gurgaon, Haryana

Phone: 0124-2329988, 0124-2324033, 0124-2321572

Email: dcgrg@hry.nic.in

Gurgaon Police

The Gurgaon Police is under the authority of the Haryana Police, Govt. of Haryana. It is headed by the Commissioner, who has the control and management of the Force and all matters connected therewith. The function of Gurgaon Police is maintain law and order in the city, protect the citizen's life and property, prevent and detect crime, bring offenders to justice, manage the traffic, uphold the law and provide policing service.

Contact:

Commissioner of Police
Sohna Road, Near Rajiv Chowk, Sector-51, Gurgaon, Haryana
Phone: 0124-2311200, 0124-2312200
Email: cp.ggn@hry.nic.in

Haryana Pollution Control Board

Haryana Pollution Control Board (HPCB) is responsible for prevention, control and abatement of pollution in the state of Haryana. Its objectives are to advise the state government, collect and disseminate information, as well as encourage, conduct and participate in investigations and research relating to problems of pollution and prevention, control or abatement of pollution. It looks into water and air pollution, biomedical waste, hazardous waste, solid waste etc. It also gives pollution certification for various commercial or residential projects.

Contact:

Haryana Pollution Control Board
C-11, Sector-6, Panchkula, Haryana
Phone: 0172-2581005, 0172-2581006
Gurgaon Address: Vikas Sadan, First Floor, Near District Court, Gurgaon Haryana
Phone: 0124-2290388, 0124-2332775
Email: hspcbho@gmail.com

Haryana Roadways

Haryana Roadways, a state government undertaking, is the principal service provider for passenger transport in the State. It has a fleet of about 4000 buses operated by 24 depots, each headed by a General Manager, and 13 sub-depots functioning under the depot concerned. Haryana Roadways plies on an average 11.58 Lacs km. every day and carries 12.40 Lacs passengers daily, both intra and interstate. The Gurgaon Region is serviced by about 300 buses.

Contact:

Haryana Roadways
General Manager Office, Near Gaushala, Bus Terminal, Gurgaon, Haryana
Phone: 0124-2320222, 0124-2322391, 01267-274710
Email: transport.haryana@gmail.com / dgst@hrtransport.in

Haryana State Industrial & Infrastructure Development Corporation

Haryana State Industrial & Infrastructure Development Corporation (HSIIDC) is a company established on 1967, under the Companies Act, 1956 with the objectives to develop industrial infrastructure in the state of Haryana. Its registered and corporate office is situated at Panchkula. The role and scope of HSIIDC has widened in recent years to include general term loan, equipment finance scheme, working capital term loan, line of credit scheme and scheme for corporate loan.

Contact:

HSIIDC Limited
 Plot No. C-13-14, Sector-6, Panchkula, Haryana
 Gurgaon Address: Vanijya Nikunj Complex, HSIIDC Industrial Estate, Udyog Vihar,
 Phase-5, Gurgaon, Haryana
 Phone: 0172-2590481, 0172-2590482, 0172-2590483
 Email: Info@hsiidc.org.in

Haryana Urban Development Authority

The Haryana Urban Development Authority (HUDA) is a statutory body of Haryana Government. It was constituted under the Haryana Urban Development Authority Act, 1977. HUDA is the urban planning agency of the state of Haryana in India. The authority is divided into various departments including engineering, finance, town-planning, architecture, legal, monitoring, enforcement, vigilance, establishment and authority, policy, land acquisition, and information technology. The functions of HUDA is to promote and secure development of urban areas in a systematic way.

Contact:

Haryana Urban Development Authority,
 HUDA Complex, Sector-14, Gurgaon, Haryana
 Phone: 0124-2573694, 0124-2573693
 Email: queryhuda@gmail.com / admggnhuda@gmail.com

Municipal Corporation of Gurgaon

Municipal Corporation of Gurgaon (MCG) provides various services to citizen of Gurgaon under its jurisdiction: like granting birth or death certificate, house tax, sanitation monitoring, marriage registration, trade licence, tenders, right to information, property record, grievances registration, fire safety, maintenance of common parks and municipal parks.

Contact:

Municipal Corporation of Gurgaon
 C-1, Info City, Sector-34, Gurgaon, Haryana
 Phone No: 0124-2220011
 Email: contact@mcg.gov.in / commgrg@hry.nic.in

Citizen Groups in Gurgaon

Gurgaon Citizen Council

Gurgaon Citizens' Council is a non-profit organisation formed with the objective of safeguarding the interests of the citizens of Gurgaon, ensuring that the city of Gurgaon develops in a planned manner in line with the assurances given by the Government of Haryana and its agencies, and private licensed builders, and bringing citizens' organisations under a common umbrella.

Contact: Mr. R.S. Rathee, President
49 Arjun Marg, DLF Phase-I, Gurgaon, Haryana
Phone No: 0124-4345392
Email: mail@gurgaoncitizencouncil.com
Website: www.gurgaoncitizenscouncil.com

Gurgaon First

Gurgaon First is a prominent Citizen Initiative in Gurgaon striving for positive change. It is focused on sustainable development, improved governance, and inclusive growth of the city. It conducts workshops and research for the city and engages city's key stakeholders including Authorities, RWAs, corporates, Citizen Groups and Industry on critical issues facing the city.

Contact: Ms. Shubhra Puri, Founder
Phone: 0124-4384669
Email: teamgurgaonfirst@gmail.com
Website: www.gurgaonfirst.org

I am Gurgaon

I am Gurgaon is an initiative aimed at awakening a responsible, aware and vigilant populace in order to make the city of Gurgaon, a better place to live in. It has been envisaged to be a platform to encourage, empower and enable residents of Gurgaon and other stakeholders to improve the living conditions in their city.

Contact: Ms. Latika Thukral and Ms. Swanzal Kak Kapoor, Co-founders
Phone: 0124-4994300
Email: info@iamgurgaon.org
Website: www.iamgurgaon.org

Joint Action Forum of Residents Association

Joint Action Forum of Residents Association (JAFRA) is a federation of RWAs established in 2006. It has 82 lifetime members besides several RWAs presidents. JAFRA conducts elections every two years.

Address: Col. Rattan Singh, President
37-B, Old DLF Colony, Near Sector-14, Gurgaon-122001, Haryana
Phone: 0124-4219092
Email: jafragurgaon_group@yahoogroups.co.in

Mission Gurgaon Development

Mission Gurgaon Development (MGD) is a people's movement against inadequacies in governance and development of Gurgaon. Its vision is to ensure Gurgaon becomes an epitome of urban habitat, and develops as a highly livable city in India. Its goal is to usher in reforms in urban governance, through systemic changes based on decentralization, accountability, transparency, and participation of citizens in day-to-day, governance decisions.

Contact: Gen. Satbir Singh, President
Phone: 09312404269, 09711279066, 09871628217
Email: misssiongurgaondevelopment@gmail.com

We the People

We the People is an organisation which works with a vision to make the citizen aware of the Indian constitution with respect to clarity for rights and duties, responsibilities and finally interpreting in the best way to empower lives.

Contact: Ms. Vinita Singh, Trustee
Phone: 0124-4203302, 7827491915
Email: vinitasinghsns@gmail.com
Website: www.we-the-people.in

RWAs in Gurgaon

RWA Name	E-mail	Contact Number	Address
Ardee City	contact@ardeecityrwa.com	0124-2386133	D-11/18, Basement, Sector - 52, Gurgaon
Beverly Park I	beverlypark1@yahoo.com	0124-4011757	Beverly Park I, MG Road, DLF Phase II, Gurgaon
Beverly Park II	bp2gurgaon@gmail.com	0124-4013191, 4387198	DLF Phase II, MG Road, Near DT City Centre, Gurgaon
Belvedere Tower Condominium Association	btca_dlf@hotmail.com	91-9268050683	DLF Cyber City, Phase-II, Near RBS Building, Gurgaon
Carlton Estate Condominium Association	ceca@sify.com / carltonestate5@gmail.com	0124-2572048	DLF City, Phase V, Gurgaon
DLF Qutab Enclave	dlfqrwa@gmail.com	0124-2387845	BB-8, Qutub Plaza, DLF Phase I, Gurgaon
DLF Phase - I	prws.hr@gmail.com	91-9650028278	47/9, DLF Phase-I, Gurgaon
DLF Phase - I, H Block	hbrc.dlf1@gmail.com	91-9810843278	H 35/6 First Floor, DLF - I, H Block Residential Community, Gurgaon
DLF Phase - IV	chaudhry.dlf@gmail.com	91-9810037773	Garden Villas, DLF Phase-IV, Gurgaon
DLF Phase - IV, Windsor Court	ashok.dhingra@gmail.com	91-9810164610	Windsor Court, DLF Phase-IV, Gurgaon
DLF Phase - V, Exclusive Floors Owners Society	efosggn@gmail.com	0124-4109536	DLF Phase-V, Gurgaon
Essel Tower	info@esseltowersgurgaon.com	0124-2817144 / 91-9810099933	MG Road, Near DT City Centre, Gurgaon
Garden Estate	gardenestate2013@gmail.com	0124-4061802, 4061801	Garden Estate, DLF Phase I, MG Road, Near GD Metro Station, Gurgaon
Green Wood City	gwc.rwa@gmail.com	91-9818377894	RWA Green Wood City, Sector - 46, Blocks - D,E & F Gurgaon
Heritage City	herwa@airtelmail.in	0124-4015213	DLF City, Phase-II, MG Road, Gurgaon
Hamilton Court	hc.eo@hotmail.com / ys.rajput@yahoo.com	0124-2385436	DLF Phase IV, Near Galleria Market, Gurgaon
Hamilton, Windsor and Regency Park - II	rwa.windsorcourt@gmail.com	0124-2396331	DLF Phase-IV, Gurgaon
Infocity Occupants, Sector - 33 & 34	anil.godara@bhartirealty.com	91-9818620013	A-27, Info City, Sector - 34, Gurgaon
JMD Gardens	jmdgardensrwa@gmail.com	0124-6671896	Sector - 33, Sohna Road, Gurgaon
Jalvayu Vihar	jvvaoa@gmail.com	0124-4032622	Sector - 30, Near Park Centra, Gurgaon
Kendriya Vihar, Sector 56	kv006_gurgaon@yahoo.com	91-9868174098	Apartment Owners Association, Kendriya Vihar, Sector - 56, Gurgaon
Mittals Royale Orchards	mrrowa@gmail.com	91-9810499277	Village-Borhakalan, NH-8, Tehsil-Pataudi, Near IMT Manesar, Gurgaon
Mayfield Garden	swastikggn@hotmail.com	91-9910855999	C-Block, Sector - 50, Gurgaon
Malibu Towne	maliburwa@gmail.com	91-9811158845, 0124-4018845	PW-33, Malibu Towne 51, Sohna, Gurgaon
Maple Crescent Condominium Association	estatemanagermcca@gmail.com	0124-4221241	C-Block, Shushant Lok-1, Gurgaon Haryana
Nirvana	office.nrwa@gmail.com	91-9899771594	Community Center Grounds, Nirvana Country, Sector - 50, Gurgaon
Oakwood Eatate	oecagng@yahoo.co.in	0124-2351526	Akash Neem Marg, DLF Phase-II, Gurgaon

RWAs IN GURGAON

RWA Name	E-mail	Contact Number	Address
Orchid Iland	deshbandhug@gmail.com , orchidresidents51@gmail.com	91-9654997578	Orchid Iland, Sector - 51, M-Block, Mayfield Gardens, Gurgaon
Princeton Estate Condominium Association	princeton_estate@yahoo.com	0124-4055279, 4055277	Princeton Estate, DLF Phase - V, Gurgaon
Progressive Gurgaon Association	pga@gmail.com	91-9818303690	CW 58, First Floor, Sohna Road, Gurgaon
Palam Vihar	pvrwasec1@gmail.com / sk_sodhani@yahoo.in	91-9810039024	H-452, Sector - 1, Palam Vihar, Gurgaon
Ridgewood Estate	rweoffice@yahoo.com	0124-4040821, 4040311	DLF City, Phase-IV, Near Galleria Market, Gurgaon
Richmond Park	manager.richmondpark@gmail.com	0124-4044625	DLF City, Phase IV, Near Galleria, Gurgaon
Ramprastha Edge Towers	varun101184@yahoo.com	91-9311647555	Sector - 37D, Near Hero Honda Chowk, Gurgaon
Rich Reg Condominium Association	richregcondominium@yahoo.co.in	0124-4272778	Regency Park, DLF Phase IV, Gurgaon
Urban Estate Residents Welfare Association (Sector - 4, 7)	uerwasector4.7@gmail.com	91-9971166400	Community Centre, Sector - 4, Urban Estate, Gurgaon
Sector - 5	minusighrwa356@gmail.com	91-9810737536	555, Sector - 5, Gurgaon
Sector - 9 A	rwasec9agurgaon@gmail.com	91-9711778585	House No. 501, Sector 9A, Guragaon
Sector - 15, Part II	rajaramyadav601@gmail.com	91-9810415575	1386, Sector - 15, Part-2, Near Salwan International School, Gurgaon
Sector - 17 A	raj_prema@yahoo.com / rwa.17a@gmail.com	91-9818610029	RWA 327, Sector - 17A, Gurgaon
Sector - 17 B	info@rwa17b.com	0124-2340363	IFCCO Nagar, Sector - 17B, Gurgaon
Sector - 21	chandrarakesh39@yahoo.com	91-9868670735	House No. 1113, Sector - 21, Gurgaon
Senior Citizen, Sector - 22	srcitizen@gmail.com	91-9810059849	House No. 202, Sector - 22, Gurgaon
Saksham, Sector - 22 A	saksham.rwa@gmail.com	91-9911031920	House No. 180, Sector 22A, Opp. Rotery Public School, Palam Vihar Road, Gurgaon
Sector - 23	dahiya_saneep74@yahoo.co.in	91-9810621839, 9810037415	Shop No. 84, Basement, Sector - 23, Gurgaon
Sector - 23	sector23rwa@gmail.com	91-9810171873	Community Centre, Sector - 23, Gurgaon
Sector - 37	spbhatiabiz@gmail.com	91-9810134883	Plot No. 377, Sector - 37, Phase-2, Gurgaon
Sector - 39	energyresapp@gmail.com	91-9311380194	Plot No. 294, Sector - 39, Near Medicity, Gurgaon
Sector - 39, Housing Board Colony	pemchauhan@gmail.com	91-9910061604	363 GF, Housing Board Colony, Phase-I, Sector - 39, Gurgaon
Sector - 47	rwasec47@gmail.com	91-9810939890	House No. 554, Sector - 47, Gurgaon
Sector - 54	pkr1964@yahoo.com	91-9811157445	RWA Sector - 54, Gurgaon
Sector - 54, SunCity	balodaop@yahoo.co.in	91-9873410999	F-120, Suncity, Sector 54, Gurgaon
Sector - 56, KV	shersyadav@yahoo.com	91-9810993326	Kendriya Vihar, Sector - 56, Gurgaon
Sector - 56	subhash.sharma170@gmail.com	91-9999982351	Flat No. 806, Alankar Apartment, Sector - 56, Gurgaon
Sun City Heights	estatemanager@suncityheights.in	91-9810701785	Suncity Heights, SunCity, Sector - 54, G.C. Road, Gurgaon
South City - I, EWS	rakesh.sharma@uniliver.com	91-9891780804	Q-303, South City-1, Gurgaon
South City - I	vinodkumar05@gmail.com	91-9818817838, 9899119568	C-99, South City-1, Near Huda City Center, Gurgaon
South City - II	scsharmaadvocate@yahoo.com	91-9811101625	H-18, Ground Floor, South city-2, Gurgaon

RWA Name	E-mail	Contact Number	Address
Sushant Lok - I	spdawar@rediffmail.com	91-9810247045	1st Floor, C-Block, Community Centre, Sushant Lok-1, Gurgaon
Sushant Lok - II, Sector - 57	rpsingtata@gmail.com	91-9811205149	F-18 A, Ground Floor, Sushant Lok - 2, Sector - 57, Gurgaon
Sushant Lok - II	yng@rediffmail.com	91-9810010819	C-106, Sushant Lok-II, Gurgaon
Sushant Lok Extention	slerwa23@gmail.com	91-8375041719	C-238, Sushant Lok - III, Sector - 57, Gurgaon
Slewra Extension	smarora.pnb@gmail.com	91-9891998824	F - 278, GF, Slewra Extension, Sushant Lok - II, Sector - 57, Gurgaon
The Laburnum	estatemanager@thelaburnum.com	91-8826131820	RWA The Laburnum, Gurgaon
Tarika Central Government Housing Society	tarikacghs@yahoo.com	91-9810393620, 0124-4046664	GH-8, Sector - 43, Near Huda City Center, Gurgaon
The Retreat Appartment	rwa2375@gmail.com	0124-2581130	Hights Building, Sector - 29, Gurgaon
Trinity Tower Condominium Association	ttca@rediffmail.com	0124-4364512	Trinity Tower, DLF Phase V, Gurgaon
Uniworld City Appartment	adm.uwcrwa@gmail.com	0124-4227909	Sector - 30 / 41, Near Park Centra, South City I, Gurgaon
Uniworld Garden	uniworldrwa47@gmail.com	0124-4227548	Sector - 47, Sohna Road, Gurgaon
Vijay Vihar, Sector - 30	narenderkharb@gmail.com	91-9810300725	House No.164, Vijay Vihar, Sector 30, Gurgaon
Wellington Estate	weca2002@gmail.com	0124-2385469	DLF Phase -V, G.C Road, Gurgaon

NGOs in Gurgaon

Name	E-mail	Contact Number	Address
Adarsh Rural Development Society	ards123@gmail.com	0124-6524030 / 655583	227, Deep Plaza, Railway Road, Sector 11, Gurgaon 122007
Adventist Development & Relief Agency	adraconnect@adraindia.org / info@adraindia.org	0124-4056634	45 Kusum Marg, H-Block DLF-I Gurgaon 122002
Advit Foundation	info@advit.org	0124-4309490/91/92	610-A, Udyog Vihar Phase V, Gurgaon 122016
Asha Bhawan	info@ashabhawan.org	0124-4221543	Asha Bhawan Building, Kadipur Industrial Area, Pataudi Road, Gurgaon 122001
Deepashram	deepashram@hotmail.com	0124-4089701	Rajiv Nagar, Sector 13, Atul Kataria Marg, Near Sheetla Mata Mandir, Gurgaon
Deepshikha Society	poonam.bhatnagar@deepshikhasociety.com	0124-2322657	Basai Enclave Part-1, Basai Road, Gurgaon 122001
Development and Research Organisation for Nature, Arts and Heritage	dronah@gmail.com	0124-4082081	A-258, South City I, Gurgaon 122002
Eco Development Foundation	susaxena@satyam.net.in	0124-2360-870	1041, Palam Vihar, Gurgaon 122017
Goonj	mail@goonj.org	0124-4253119	H. No. J 915, Jalvayu Tower, Sector 56, Gurgaon
Global Education and Welfare Society	geswsg@yahoo.com	91-9821050076	H. No. 125, Sector -7 Urban Estate Gurgaon 122001
Hariyali Welfare Society	hariyaliwelfaresociety@gmail.com	91-9873396676	H. No. 30, V.P.O, Chakkarpur, Gurgaon 122002
Harmony House	manager@harmonyhouseindia.org	0124-4017616	Harmony House, H. No. 109, Sector 17A, Gurgaon
Haryana Womens Welfare Association	hwwa@yahoo.com / alokdeep2145@gmail.com	91-9891421554 / 2289759	2145, Sector 9, Faridabad
HelpAge India	headoffice@helpageindia.org	011- 41688955/56	C-14, Qutab Institutional Area, New Delhi 110016
Human Development Society	info@hdsindia.org	91-9971222966	H. No.- 368/12, New Railway Road, Gurgaon
Human Welfare Society	hws_2006@yahoo.com	0124-3252988	I-22 Ground Floor, South City 2, Sohna Road, Gurgaon
I am Gurgaon	info@iamgurgaon.org	0124-4994300/ 91-9999334995	D-63 South City 1, Gurgaon 122 002
IGEP Foundation	igepfoundation@igep.org	0124-4048273	D 248, Sushant Lok, Phase1, Near Max Hospital, Gurgaon 122001
Jagriti-The Banyan Tree School	jagrithebanyantreeschool97@gmail.com	91-9810113209	The Banyan Tree World School, Sector 53, Gurgaon
Jeevanrakshak	info@jeevanrakshak.org	0124-2223202	Old Delhi Road, Delhi Rd, Sector 14, Gurgaon
Kalasthali	ashutosh.shelat@gmail.com	0124-4060500	S-27 Lane, S.I.S. Building, Nathupur, Gurgaon E-2158, Palam Vihar, Gurgaon 122017
Karuna Jan Kalyan Seva Samiti	karuna.ngo@gmail.com	91-9136596005	No. 5229/29, Phase 1, Street No. 11, Surat Nagar, Gurgaon 122001
Khushboo Welfare Society	khushboo.welfaresociety@gmail.com	0124-4140885-87	Near Lions Public School, Sec-10A, Gurgaon
Kilkari Foundation for Childrens Recreation Aid and Research	kilkarifoundation@gmail.com	0124-4251780	6 Crest Wood, Mailbu Towne, Sohna Road, Gurgaon

Name	E-mail	Contact Number	Address
Lakshya Education and Welfare Society	lakshyaews@gmail.com	9891099816	120/65, Silver Oaks, DLF Phase I, Gurgaon
Letz Change	support@letzchange.org	0124-4897777	Unit 406, 4th Floor, Tower A, Unitech World Cyber Park, Sector 39, Gurgaon 122001
Literacy India	literacyindia@hotmail.com	0124-5071223 / 5070692	J-1365, Palam Vihar, Gurgaon
Manav Bros Cinewood	manav@manavbros.com	91-9810398621	401/4, Old Union Bank Building, New Railway Road, Gurgaon 122001
Manav Utthan Mission	taoshee@gmail.com	0124-2000000 / 9313569716	1026, Sector 38, Gurgaon 122001
National Association for Blind	contactus@nabindia.info	0124-2321156	23 D, New Colony, Old Gurgaon, Gurgaon
National Skills Foundation of India	info@nsfindia.org	0124-4058848	K-59, South City 1, Gurgaon 122018
Nedan Foundation	nedan_ne@yahoo.co.in	0124-2807280	Bellary 316, Jalvayu Towers, Sector 56, Gurgaon 122002
Niramaya Charitable Trust	contact@niramayatrust.org	0124-2321234	560/1, Daya Nand Colony, New Railway Road, New Railway Road, Gurgaon 122001
Nulife Foundation	info@nulifengo.org	91-9873325515	60, Cedar Drive, Malibu Towne, Sohna Road, Gurgaon 122001
Plural India	info@pluralindia.in	0124-4040532	Sushant Lok I, Sector 28, Gurgaon 122009
Prabhaav Foundation	prabhaavfoundation@gmail.com	91-9811264284 / 011-41036265	A-9, Green Park, New Delhi, Delhi 110023
Pragya	admin@pragya.org	91-9810188166 / 0124-4574500, 9910375965	83, Institutional Area, Sector 44, Gurgaon 122003
Prayatna	info@prayatnango.org	91-9167782028	House No 1120, IFFCO Colony, Sec 17B, Gurgaon
Ramraj Environment	info@ramrajenv.org	0124-4064845	RS Consultant 318, IIIrd Floor, Gurgaon 122001
Rashtra Hit Seva Sangathan	kranti@rashtrahitsewa.org	91--9891961965 / 9911176108	H. No. 371, Sector 14, Gurgaon 122001
Rotary Club	reena_sawhney@hotmail.com	91-9810289150	878, Sector 14, Gurgaon 122001
Rural Organisation for Social Empowerment	rose_kataria@rediffmail.com	0124-4387843	Choma, Palam Vihar, Gurgaon 122017
Sankalp Welfare Society	sankalpsankalp@yahoo.com	9810954310, 9811814947	C-250, Sushant Lok-I, Gurgaon 122009
Sanskriti Kendra	kendra@sanskritifoundation.org	011-26501796 / 26501125 / 64675041	Mehrauli-Gurgaon Rd, Anand Gram, Ghitorni, New Delhi, Delhi 110047
Satya Jyoti Trust	sj_organics@yahoo.com/ kakoli@satya-joyti.com	9818808363	B-182, Trinity Towers, DLF Phase V, Gurgaon 122002
Shakti Sustainable Energy Foundation	disha@shakti foundation.in / deepak@shaktifoundation.in	91-9958545441 / 91-995317754	Capital Court, 104 B/2, 4th Floor, Munirka Phase III, New Delhi 110067
Shruti Foundation	info.shrutifoundation@gmail.com	0124-4235684	102/45 Silver Oaks, DLF City 1, Gurgaon 122002
Society for Education and Environmental Training	s_arya_2000@yahoo.com	0124-4209080	F-19 A, Sushant Lok-2, Gurgaon 122002
Spastic Society of Gurgaon	spasticsocietyofgurgaon@yahoo.com	0124-2254150 / 91-9818131737	Old Age Home, Sector-4, Gurgaon
Subhash Chandra Bose Samajik, Sanskritik Evam Saishik Sewa Sansthan	rajeshsingh049@gmail.com	91-9911308800	U-59, Rd DLF III, Gurgaon 122002

NGOs IN GURGAON

Name	E-mail	Contact Number	Address
Sugam	sugamngo2008@gmail.com	91-9811712319	1ts Floor, Pt. Mange Ram Pradhan Market, Moti Vihar, Opp. South City, Gurgaon
Sukarya	sukarya@sukarya.org	0124-4114251	Near Paras Hospital , Block E, Sushant Lok, Phase I, Gurgaon 122002
Surge	vnagpal@surgegurgaon.org	0124-5100293	938, Sector 17-B, Gurgaon 122001
Udayan Care	info@udayancare.org	0124-4388385	16/97 A, Vikram Vihar, Lajpat Nagar-IV, New Delhi 110024
Universal Care	vinodkataria@hotmail.com	0124-4071535 / 91-9811022734	B-47, Ground Floor, Palam Vyapar Kendra (PVK), Palam Vihar, Gurgaon 122017
Uthaan	uthaan.ngo@gmail.com	91-9811175332 / 9871963535	102, Sector-46, Gurgaon
Vinayak Charitable Trust	rameshvinayek39@gmail.com	0124-2352600	35, Poorvi Marg, DLF II, Gurgaon 122002
Vishwas Vidyalaya and Resource Centre for All Disabilities	vishwas.nj@gmail.com	0124-2580323	Sector-46, Arya Samaj Road, Near Unitech Cyber Park, Gurgaon 122002

Industrial and Other Associations

National-Level Industry Associations

All India Association of Industries

Established in 1956 in Mumbai, the All India Association of Industries (AIAI) has over 1500 members and represents over 50,000 industries. Nearly 70 percent of its members are from the small and medium enterprises (SMEs) sector.

Contact: All India Association of Industries
New Excelsior Building, 6th Floor, A.K. Nayak Marg, Mumbai 400001,
Maharashtra
Email: info@aiaiindia.com
Phone: 022-22019265
Website: www.aiaiindia.com

Associated Chambers of Commerce and Industry of India

The Associated Chambers of Commerce and Industry of India (ASSOCHAM) is also referred as “chamber of chambers”, includes about 400 Industry chambers, trade associations to serve more than 45,0000 corporate members. It is a not for profit organisation, facilitating reach of India to all businesses around the globe, for wanting to do business with India.

Contact: ASSOCHAM
5 Sardar Patel Marg, Chanakyapuri 110021, New Delhi
Phone: 011-46550555
Email: assochem@nic.in
Website: www.assochem.org

Confederation of Indian Industry

Confederation of Indian Industry (CII) is India's premier business association has over 7,200 members from the private as well as public sectors, Including SMEs and MNCs, and an indirect membership of over 100,000 enterprises from around 242 nations and regional sectoral industry bodies. Its primary goal is to develop Indian industry, and to ensure that government and other stakeholders the needs and contribution of industry.

Contact: Confederation of Indian Industry
The Mantosh Sondhi, Centre, 23, Institutional Area, Lodhi Road,
Lodhi Colony, New Delhi 110003
Gurgaon Office: 249-F, Sector-18, Udyog Vihar, Phase-IV, Gurgaon 122015,
Haryana
Phone: 011-45771000, 011-24629994-7
Email: info@cii.in
Website: www.cii.in

Federation of Indian Chambers of Commerce and Industry

Federation of Indian Chambers of Commerce and Industry (FICCI) is the largest and oldest apex business organisation in India. A non-government, not-for-profit organisation, it draws its membership from the corporate sector, both private and public, including SMEs and multinational corporations, of about indirect 250,000 companies from various regional chambers of commerce.

Contact: Federation of Indian Chambers of Commerce and Industry
Federation House, Tansen Marg 110001, New Delhi
Phone: 011-23738760-70
Email: ficci@ficci.com
Website: www.ficci.com

Federation of Indian Micro & Small and Medium Enterprises

Established in the year 1995, the objective of Federation of Indian Micro & Small and Medium Enterprises (FISME) is to promote entrepreneurship and facilitating the creation of a competitive environment in the country and improving the market access for Indian micro & small and medium enterprises in India and abroad.

Contact: Federation of Indian Micro & Small and Medium Enterprises
B-4/161, Safdarjung Enclave, New Delhi
Phone No: 011-26187948, 011-26712064
Email ID: info@fisme.org.in
Website: www.fisme.org.in

India Electronics & Semiconductor Association

With over 250 members, the India Electronics & Semiconductor Association (IESA) is committed towards building global awareness for the Indian Electronic System Design and Manufacturing industry and supporting its growth through focused initiatives in developing the ecosystem.

Contact: India Electronics & Semiconductor Association
Prestige Terminus II, Unit G02, 901, Ground Floor, Civil Aviation Road,
Konena, Agrahara, Murugeshpalya, Bengaluru 560017, Karnataka
Phone: 080-41473250
Email: support@iesasonline.org
Website: www.iesasonline.org

National Association of Software and Services Companies

National Association of Software and Services Companies (NASSCOM) is a non-profit trade association of Indian information technology and business process outsourcing industry. Headquartered in New Delhi, Nasscom's member companies are in software development, software services, software products, BPO services and e-commerce. Nasscom facilitates business and trade in software and services and encourages the advancement of research in software technology.

Contact: National Association of Software and Services Companies
4E-Vandana Building, 4th Floor-11, Tolstoy Marg 110001 New Delhi
Phone: 011- 4151 9230/60
Email: ssc@nasscom.in
Website: www.nasscom.in

Electricity-Related Associations

Alliance for an Energy Efficient Economy

The Alliance for an Energy Efficient Economy (AEEE) is a not-for-profit organisation set up for creating a thriving energy efficiency sector in India. It provides a platform to actively participate and support in energy efficiency policy formulation and analysis.

Address: Alliance for an Energy Efficient Economy
404, Skylark Building, 60 Nehru Place, New Delhi
Phone: 011-40567344
Email: info@aeee.in
Website: www.aeee.in

Association of Power Producers

Association of Power Producers (APP) membership has grown to 29 of the leading private power developers in the country and also includes the major private entities in distribution and transmission. Its members constitute over 90 per cent of the existing and planned power capacity in the private sector. APP's role is to highlight the issues facing the private sector, and ensure their timely redressal.

Contact: Association of Power Producers
21 A, 1st Floor, Janpath 110001, New Delhi
Phone: 011-23738340/41/42
Email: contact@appindia.org.in
Website: www.appindia.org.in

Council of Power Utilities

Council of Power Utilities (CPU) is an umbrella organisation of power utilities in India. Established in 1983, it aims at formulation of solutions of problem besetting the power supply industry through interaction between indigenous utilities and also between utilities of developed and developing countries.

Contact: Council of Power Utilities
415, Jaina Tower-III, A-1, Block Janak Puri 110058, New Delhi
Phone: 011-25618472
Email: info@indiapower.org
Website: www.indiapower.org

Indian Electrical & Electronics Manufacturers' Association

Indian Electrical & Electronics Manufacturers' Association (IEEMA) is the apex association of manufacturers of electrical, industrial electronics and allied equipment in India founded in 1948. IEEMA maintains dialogue with the Government of India, its departments, electric utilities, users, standardisation bodies, educational institutions, research, development and testing agencies.

Contact: Indian Electrical & Electronics Manufacturers Association
Rishyamook Building, First Floor, 85-A, Panchkuan Road 110001, New Delhi
Phone: 011-2336 3013 / 14
Email: delhi@ieema.org
Website: www.ieema.org

Indian Transformer Manufacturerers Association

Indian Transformer Manufacturerers Association (ITMA) is a national association established in 1979 with the objective of promoting a powerful lobby for the transformer and allied industry. It networks with various ministries including Ministry of Power, Ministry of Commerce and Ministry of Finance.

Contact: Indian Transformer Manufacturers Association
2F, CS-11, Ansal Plaza, Sector-3, Near Vaishali Metro Station, Vaishali,
Ghaziabad 201010, Uttar Pradesh
Phone: 0120-4566119 /4116651
Email: info@itma.org.in
Website: www.itma.org.in

Solar-Sector Associations

National Solar Energy Federation of India

With around 50 members, National Solar Energy Federation of India (NSEFI) works as an umbrella organisation representing solar energy companies active along the entire photovoltaic value chain including project developers, manufacturers, engineering companies, financing institutions and other stakeholders.

Contact: National solar Energy Federation of India
1003-1004, Ansal Tower, 38 Nehru Place, New Delhi
Phone: 91-9879511275
Website: www.nsefi.in

Solar Energy Corporation of India

Solar Energy Corporation of India (SECI) is a not-for-profit company under Section-25 of the Companies Act 1956. The Corporation has the objective of developing Solar Technologies and ensuring inclusive solar power development throughout India.

Contact: Solar Energy Corporation of India
1st Floor, D-3, A-Wing, Religare Building, District Centre, Saket, New Delhi
Phone: 011-71989200
Email: corporate@seci.gov.in
Website: seci.gov.in

Solar Thermal Federation of India

Solar Thermal Federation of India (STFI) is a pan-India body actively engaged in the development of legislation and regulation that impact solar thermal companies' ability to manufacture and market their product. It interfaces with various government agencies like MNRE, state nodal agencies, Ministry of Finance and other relevant department.

Contact: Solar Thermal Federation of India
61, Vinoba Puri, Lajpat Nagar-II, New Delhi
Phone: 011-26166162
Email: info@stfi.org.in
Website: www.stfi.org.in

Solar Energy Society of India (SESI)

Established in 1976, the Solar Energy Society of India (SESI) provides a common ground to all those concerned with the nature and utilisation of solar energy resource. The Society is administered by its governing council of twenty members elected once in two years. The council meets two or three times in year.

Contact: Solar Energy Society of India
2nd Floor, Central Board of Irrigation and Power, Malcha Marg,
Chanakyapuri 110021, New Delhi
Phone: 011-65649864, 011-41635200
Email: info@sesi.in
Website: www.sesi.in

Gurgaon Industry Associations

Gurgaon Chamber of Commerce & Industry

Gurgaon Chamber of Commerce & Industry (GCCCI) was formed about two decades ago. All the affairs of the Chamber are managed by its Managing Committee which is elected every year by the members. The Chamber serves Gurgaon, Udyog Vihar, Sohna, Roz-Ka-Meo, Dharuhera and Pataudi Industrial belts.

Contact: Gurgaon Chamber of Commerce & Industry
Khandsa Road, Gurgaon, Haryana
Phone: 0124-2370303
Email: gccci@gurgaonchamber.org
Website: www.gurgaonchamber.org

Gurgaon Industrial Association

Gurgaon Industrial Association (GIA) is an apex and oldest industrial outfit of Gurgaon. It is 44 years old association with a present membership base of about 400 organisations in big, medium and small categories GIA is a non-government, not-for-profit, industry-managed organisation.

Contact: Gurgaon Industrial Association,
GIA House, Opp. Sector-14, IDC Mehrauli Road, Gurgaon, Haryana
Phone: 0124-2320746
Email: info@giaonline.org
Website: www.giaonline.org

Manesar Industrial Welfare Association

Constituted in 2009, Manesar Industrial Welfare Association has been formed by industrialist of IMT Manesar to address and resolve numerous common infrastructural and other issues affecting them. It has membership of over 500 entrepreneurial initiatives of micro, small and medium enterprises.

Contact: Manesar Industrial Welfare Association
Plot No 69, Sector-3, IMT Manesar, Gurgaon, Haryana
Phone: 91-9891142017
Email: manesar.miwa@gmail.com
Website: www.miwamansar.org

NCR Chamber of Commerce and Industry

NCR Chamber of Commerce and Industry (NCCI) was established in 2004. It is working for promotion of industry, trade and entrepreneurship through its research-based policy and advocacy role to positively impact the economic growth. It has more than 200 members.

Contact: NCR Chamber of Commerce & Industry
B-604, Sushant Lok, Phase-I, Gurgaon 122002, Haryana
Phone: 0124-4268612
Email: president@nccionline.co.in, ncci@ncci.org
Website: www.nccionline.org

Schools in Gurgaon

Name of the Schools	E-mail ID	Contact Number	Address
Alpine Public School	admin@alpineconventschool.com	0124-2575188 / 2306064	Sector-38, Next to Medanta Hospital, Gurgaon 122001
American Montessori Public School	info@americanpublicschool.com	0124-4018944 / 2352580	L-Block, Cassia Marg, DLF City, Phase-II, Gurgaon 122002
Amadeus High School	amadeushigh@gmail.com	0124-4261032 / 33	Block-F, Greenwoods City, Sector-46, Gurgaon 122001
Ajanta Public School	info@ajantapublicschool.org	0124-2381823/ 2381824	Ajanta Public School, Sector-31, Gurgaon 122001
Blue Bells Model School	bbms@bluebells.org	0124-4698888	Sector-4, Gurgaon 122001
Chiranjiv Bharti School	anscbpv@airtelmail.in	0124-4398600	I- Block, Palam Vihar, Gurgaon 122017
CCA School	ccaschool.gurgaon@gmail.com	0124-2330098/ 2331264	Sector-4, Urban Estate, Gurgaon 122001
DAV Public School	davsector14gurgaon@yahoo.com	0124-2324070	Sector-14, Gurgaon 122018
DPS Gurgaon	dpsgurgaon1@gmail.com	0124 4125800 / 801	Site No. 1, Sector-45, Urban Estate, Gurgaon 122001
DPS Sushant Lok	info@dpsl.net	0124-4041221 / 441	DPS Sushant lok, B-Block, Phase - I, Gurgaon 122102
Euro International School	eurointernationalschool_10@yahoo.in	0124-2212290 / 2212291	Euro International School, Sector-10, Gurgaon 122001
GD Goenka Public School	school@gdgoenka-gurgaon.com	0124-2362895 / 96	Block- A, Sector- 48, Gurgaon 122001
Golden Jubilee Air Force School	gjafs_ggn@rediffmail.com	0124-2330991	Sector-14, Delhi-Gurgaon Road, Gurgaon 122018
The Heritage School	info@ggn.theheritageschool.in	0124-2855124 /25/26	The Heritage School, Sector-62, Gurgaon 122002
Kunskapsskolan School	info@kunskapsskolan.edu.in	0124-4107777	1122, Block-A, DLF Phase-I, Gurgaon
Lord Jesus Public School	lordjps@ndf.vsnl.net.in	0124-2320525 / 2307725	Vijay Park, Behind Laxmi Bazar, Gurgaon 122001
Lt. Atul Katarya Memorial School	akmsggn@rediffmail.com	0124-4238225, 91-8860634320	Lt Atul Katarya Marg, Near Sheetla Mata Parisar Gurgaon 122001
Lancers Public School	info@lancersinternationalschool.in	0124-4171900	DLF Phase-V, Sector-53, Gurgaon 122001
Lotus Valley School	principal@lotusvalleygurgaon.com	91-9899657100	M-Block, South City-II, Nirvana Country, Sector-50, Gurgaon 122018
Manav Rachna International School	info@mris.edu.in	0124-4985100	Block-C, Mayfield Garden, Sector-51, Gurgaon 122001
Pathways World School	school.gurgaon@pathways.in	0124-2318888 /9	Baliawas, Off Gurgaon Faridabad Road, Gurgaon 122003
Presidium School	gurgaon57@presidiumonline.com	91-9643103499	HS-1, Block-E, Mayfield Garden, Sector-57, Gurgaon 122011
Rishi Public School	rishischool@indiatimes.com	0124-2381891	Rishi Public School, NH-8 Sector-31, Gurgaon-122001
Rabindranath World School	info@rwsurgaon.com	0124-3292818	W-10 Block, Site No. 3120, Opposite U-Block, Town Houses, DLF Phase-III, Gurgaon
Red Roses Public School	p2c.support@gmail.com	0124-4005886	D-Block, Palam Vihar, Gurgaon, 122017

SCHOOLS IN GURGAON

Name of the Schools	E-mail ID	Contact Number	Address
Ridge Valley School	info@ridgevalleyschool.org	0124-4666161	Ridge Valley School, 4111 – 4112, DLF Phase-IV, Gurgaon 122001
Ryan International School	ris.s40gurgaon@ryangroup.org	0124-2580096	Site No 1, Sector-40, Gurgaon 122001
Salwan Public School	spsgurgaon@salwanschools.com	0124-4886050 / 90	Salwan Public School, Sector-15, Part-II, Gurgaon 122001
Shalom Hills Internattional School	feedback@shalomhills.com	0124-4046471	Block-C, Sushant Lok, Phase-I, Gurgaon 122002
Shiv Nadar School	principal.ggn@sns.edu.in	0124-6465557 / 59	DLF City, Phase -1, Block -E, Pahari Road, Gurgaon
Sharda International School	info@shardainternationalschool.in	0124-2321732	Shiv Nagar, Pataudi Road, Near Sector-10A, Gurgaon 122001 Haryana
Shikshantar School	office@shikshantarschool.com	0124-4889100	Shikshantar School, J-Block, South City-I, Gurgaon 122001
Starex International School	info@sisedu.org	0124-2379990/1/2/3/4	NH-8, Binola, P.O. Bhorankalan, Gurgaon 122413
Swiss Cottage School	info@swisscottageschool.in	0124-4259944	Swiss Cottage School, Salahpur-Bijwasan, Opp. Sector-23 & Palam Vihar 110061
Scottish High International	info@scottishhigh.com	0124-4112781/90	Block- G, Sector-57, Sushant Lok-II, Gurgaon 122011
Summer Fields School	summeritesdlf1@rediffmail.com	0124-2353687	DLF Qutab Enclave Complex, Phase-I, Gurgaon 122001
Sehwag International School	info@sisj.in	91-9711188700	Silani Kesho, 7 Km stone, Main Gurgaon Jhajjar Road, Jhajjar, Gurgaon 124103
The Banyan Tree World School	info@banyantree.ws	0124-6675755/ 9350556501	2 Knowledge Centre, G.C. Road, 70-2, Sector 53, Gurgaon 122003
The Sagar School	administrator@thesagarschool.org	0124-2806100	Remfry House at the Millennium Plaza, Sector-27, Gurgaon 122009
The Shri Ram School	admin.aravali@tsrsnet.org	0124-4784300	Hamilton Court Complex, Phase IV, DLF City, Gurgaon 122002

Colleges/Other Institutions in Gurgaon

Name of the Colleges and Other Institution	E-mail ID	Contact Number	Address
American Institute of India Studies	aiisgurgaon@aiis.org.in	0124-2381424	22, Sector-32, Institutional Area, Gurgaon 122001
Amity University	info@ggn.amity.edu	0124-2337015 / 2337016	Amity Education Valley, Panchgaon, Manesar, Gurgaon 122413
Anupama College of Engineering	aceggn.rngi@gmail.com	91-8010132944 / 9412260760	ACG, Bhora Kalan, Near Bilaspur Chowk, Pataudi Road, NH-8, Gurgaon 122413
Ansal Institute of Technology	feedback@aitgurgaon.org	0124-24116111 / 4750400	Sector-55, G.C. Road, Gurgaon 122003
Apeejay College of Engineering	ace@apj.edu	0124-2013718-721 / 2013218	Village-Silani, Sohna, Palwal Road, Gurgaon 122103
Algol School of Management and Technology	deepaksharma@algolworld.com	0124- 3212001	ASMT, Near Hero Honda Chowk, Behind Marble Market, Sector-34, Gurgaon 122001
BM College of Technology & Management	tpo.bmctm2007@gmail.com	91-8505876611	Plot No. 119, Sector-46, Gurgaon 122002
Bio Engineering Research Centre	gurgaon@berc.edu.in	0124-2345624	486, Udyog Vihar, Phase-III , Gurgaon 122016
Dronacharya Government College	dgcgurgaon@gmail.com	0124-2320322	New Railway Road, Sector 8, Gurgaon 122022
Global Institute of Technology and Management	info@gitmgurgaon.com	0124-2016600 / 700/800	5KM Mile Stone, Kheda Khurrampur, Farrukhnagar, Haily Mandi Road, Gurgaon
Government P.G. College	gcggn@sify.com	0124-2320783	Govt. College, Sector-14, Gurgaon
Gurgaon College of Engineering	info@gce.com	0124-3257801	Bilaspur-Tauru Road, Village-Pathreri, Near Bilaspur-chowk, NH-8, Gurgaon
Guru Gram Group Of Institutions	admission@gurugram.org.in	91-9818059667	Opposite Sector-4, Luxman Vihar, Dhanwapur Road, Gurgaon
ICFAI Business School	ibsdel@ibsendia.org	0124-4980950	IDPL Complex ,Old Delhi-Gurgaon Road, Dundaheera, Gurgaon 122016
IILM Institute	nivedita@iilmnstitute.ac.in	0124-334300 / 3096874	1 Knowledge Centre , G.C. Road, 71-1, Sector-53, Gurgaon 122003
Infinity Business School	info@inbuss.com	0124-4171204 / 4171202	Infinity Knowledge House, No.-34, Sector-32, Gurgaon 122001
Institution of Technology & Management	itmgur@vsnl.com	0124-2365811 / 12/13	HUDA, Sector-23-A, Gurgaon 122017
Institute Of Law & Management Studies	ilmsmdu_mba@yahoo.com	0124-2383343	Sector-40 , M.D. University, Gurgaon 122002, Haryana
Institute of Apparel Management	admission@iamindia.in	0124 270 8201	Apparel House, Sector 44, Gurgaon
INLEAD Event Management Institute	info@inlead.in	0124-4220000	National Expressway-8, 81P, Sector-34, Gurgaon 122001
ITC Hospitality Management Institute	info@itshotels.in	0124-4481448	ITC Limited, Hotels Division, Plot No. 3, Sector-5, IMT Manesar, Gurgaon 122050
JK Business School	admissions@jkbschool.org	0124-2014091	Gurgaon-Sohna Expressway, Damdama Lake Road Bhondsi, Gurgaon 122102
KIIT Group of Colleges	info@kiit.in	0124-2658000/10/20/30/40/50	KIIT Campus, Sohna Road, Gurgaon, Haryana

COLLEGES/OTHER INSTITUTIONS IN GURGAON

Name of the Colleges and Other Institution	E-mail ID	Contact Number	Address
Kyra School of Business & Technology	contact@kyrauniversity.com	0124-4040690	Kirpa House , S-27/9, DLF Phase-III, Gurgaon 122002
Management Development Institute	dean-ca@mdi.ac.in	0124-4560000	Management Development Institute, Mehrauli Road, Sukhrali, Gurgaon 122 007
N.B. Gurubachan Singh Memorial College	nbgsm.college@gmail.com	0124-2362269	Sohna, Gurgaon 122103
Rao Lal Singh College of Education	rls.principal@gmail.com	0124-2679128 / 2679028	65 KM Milestone, Delhi-Jaipur Road, NH-8, Sidhrwali, Gurgaon 122414
Raman Kant Munjal Vidya Mandir	dhanda_jk@yahoo.co.in	01274-323770	67Km Stone, Delhi-Jaipur Highway, Sidhrwali, Gurgaon 122001
SGT Medical College & Research Institute	principal@sgtmedicalcollege.org	0124-2278256	Near Sultanpur Bird Sanctuary, Village Budhera, Gurgaon 122505
Sushant School of Art & Architecture	sushant@nde.vsnl.net.in	0124-2570317	SSAA, Sector-55, Gurgaon Haryana
Savera Group of Institutions	saverainstitute@gmail.com	0124 4275103	Haily Mandi Road, Farukh Nagar, Gurgaon 122506
School of Inspired Leadership	info@soilindia.net	0124-4302222	Plot No. 76, Sector-44, Gurgaon 122003
The Institute of Company Secretaries of India	ggnchapter_icsi@yahoo.co.in	0124-2306064	Behind Government Girls College, Sector-5, Part-II, Gurgaon
World College of Technology & Management	admin@wctmgurgaon.com	91-9717964085	WCTM, Farukhnagar, Khera Khurrampur, Gurgaon

Hospitals in Gurgaon

Name of the Hospital	E-mail ID	Contact number	Location	Address
Artemis	info@artemishealthsciences.com	0124-6767999	Gurgaon	Sector 51, Gurgaon 122001
Alchemist Institute Of Medical Sciences	healershospital@rediffmail.com	0124-4511111	Gurgaon	55-56, Golf Course Road, Saraswati Kunj, Sector 53, Gurgaon 122003
Apollo	gurgaon@theapolloclinic.com	0124-2343377	Gurgaon	SCO2, Old Delhi Gurgaon Road, Sector 14, Gurgaon 122001
ACME Healthcare	info@acmehealthcare.com	0124-4301616	Gurgaon	C-2, Sector-40 Gurgaon 122001
Aarvy	tpa@aarvyhospital.com	0124-4222270	Gurgaon	Nehru Stadium, Railway Road, Civil Lines, Gurgaon 122007
Chirag	info@chiraghospital.com	0124-2468848	Gurgaon	Near Railway Station, Bajghera Road, Block B, Rajendra Park, Sector 105, Gurgaon 122001
Columbia-Asia	customercare.palam@colombiasia.com	0124-39898969	Gurgaon	Block - F, Gol Chakkar, Palam Vihar, Gurgaon 122017
Fortis Healthcare	enquiries@fortishealthcare.com	0124-4921021 / 4921071 / 4962200	Gurgaon	South City-I, Sector 41, Gurgaon 122003
Kalyani	karishma.khpl@gmail.com	0124-2303101 / 02 / 03	Gurgaon	Mehrauli-Gurgaon Road, Gurgaon 122001
Life Care Medical Centre	info@lifecaremedicalcentre.com	0124-4118254	Gurgaon	Madan Puri Main Road, Patudi Chowk, Gurgaon 122001
Lall Nursing Home	ashishlall@rediffmail.com	0124-3222410 / 5065410	Gurgaon	Lall Nursing Home, New Railway Road, Gurgaon 122001
Max Health Care	info@maxhealthcare.com	0124-6623000	Gurgaon	B-Block, Sushant Lok- I, Opp. Huda City Centre Metro Station, Gurgaon 122001
Medanta-The Medicity	info@medanta.org	0124-4141414 / 4411441	Gurgaon	Medanta-The Medicity, Sector – 38, Gurgaon 122001
Neelkanth	info@neelkanthhospital.com	0124-5063697 / 5013696	Gurgaon	Mehrauli Gurgaon Road, Near DLF Corporate Park, Phase-III, Gurgaon 122022
Paras	info@parashospital.com	0124-4585555 / 4049062	Gurgaon	C-1, Sushant Lok-1, Sector-43, Phase-I, Gurgaon 122002
Privat	info@privathospital.org	124 4324300	Gurgaon	MG Road, DLF City-II, Near Gurgaon Central Mall, Gurgaon 122002
Pushpanjali	pushpanjalihospital@rediffmail.com	0124-4770000	Gurgaon	Plot No. 1, Johan Hall Road, Civil Lines Gurgaon 122001
Sunrise	sunrisehospital2009@yahoo.in	0124-6410841 / 4388831 / 2212222	Gurgaon	Near Sector 10A, Khandsa Road, Sector 10A, Gurgaon 122001
Uma Sanjeevani health Center	sanjeevaakas@yahoo.co.in	0124-2350460 / 2351257	Gurgaon	1, Dakshin Marg, DLF City Phase-II Gurgaon 122008

Hotels in Gurgaon

Name of the Hotel	E-mail ID	Contact number	Location	Address
Altis	resggn@avedahotels.com	0124-4840 000	Gurgaon	Sector-15, Kirti Nagar, Jharsa Road, Gurgaon 122002
Airport Motel	info@airportmotel.in	0124-2371281, 91-9717283535	Gurgaon	43rd MileStone, Delhi Jaipur Expressway, Gurgaon 122001
Courtyard By Marriott	cy.delgu.so@courtyard.com	0124-4888444	Gurgaon	Plot No. 27-B, Sector Road, B Block, Sushant Lok -1, Sector-27, Gurgaon 122002
Crowne Plaza	reservation@cpgurgaon.com	0124-4534000	Gurgaon	Site No.2, Sector-29, Opposite Signature Tower, Gurgaon 122001
DoubleTree by Hilton	naresh.saini@hilton.com	0124-4911234	Gurgaon	DLF G.C. Road, Sector-56, Gurgaon 122011
Fortune Select Global	contactus@fortunehotels.in	0124-4062388	Gurgaon	Global Arcade, M.G. Road, Gurgaon 122002
Hyatt Regency	gurgaon.regency@hyatt.com	0124-6181234	Gurgaon	NCR, NH8, Sector-83, Gurgaon 122004
Ibis Hotel	h363-re@accor.com	0124-4755000	Gurgaon	Block-1, Sector 53, G.C. Road, Gurgaon 122002
Lemon Tree Premier	hi.gn@lemontreehotels.com	0124-4480200	Gurgaon	48-52, Leisure Valley Road, Sector-29, Gurgaon
Lemon Tree	hi.gn@lemontreehotels.com	0124-4423232	Gurgaon	866, Udyog Vihar, Phase-V, Gurgaon 122016
Le Meridien	lemeridien.gurgaon@lemeridien.com	0124-4992000	Gurgaon	Sector-26, M.G. Road, Gurgaon Delhi Border, Gurgaon 122002
Milestone	info@milestonehotel.in	0124-4870400	Gurgaon	NH-8, Behind Sector-15, Gurgaon 122001
Park Inn	pigr@sarovarhotels.com	0124-4795555	Gurgaon	282, Civil Lines, Gurgaon 122001
Park Premier	info@parkpremierhotels.com	0124-4604600	Gurgaon	353-357, Sector-29, City Centre, Gurgaon 122001
Park Plaza	res@parkplazagurgaon.com	0124-4150000	Gurgaon	B-Block, Sushant Lok-1, Gurgaon 122002
Radisson Blu Suites	businesscentre@radissondel.com	0124-4719000	Gurgaon	B Block, Sushant Lok, Phase 1, Gurgaon 122022
Ramada Gurgaon Central	commerce@ramadagurgaoncentral.com	0124-4886400	Gurgaon	Plot No. 2, Sector-44, Gurgaon 122003
Silver Oak	silveroakhotel@gmail.com	91-9873159641	Gurgaon	43, Akashneem Marg, DLF City-II, Gurgaon 122002
The Palms Town & Country Club	banquet@thepalms.in	0124-4199900	Gurgaon	B-Block, Sushant Lok-I, Near HUDA City Metro Station, Gurgaon-122001
The Oberoi	generalmanager.gurgaon@oberoihotels.com	0124-2451234	Gurgaon	443, Udyog Vihar, Phase-V, Gurgaon 122016
The heritage Village Manesar	manesar@sresorts.com	0124-2871500	Gurgaon	NH-8, Manesar, Gurgaon 122050
The Leela Ambience	hr.gurgaon@theleela.com / nidhi.verma@theleela.com	0124-4771234/1235	Gurgaon	The Leela Ambience Gurgaon Hotel & Residences, Ambience Island, National Highway 8, Gurgaon 122002
The Westin Resort & Spa	westin.sohna@westin.com	0124-4508888	Gurgaon	Vatika Complex, Karanki Road, Sohna, Gurgaon 122103
The Bristol	gm@thebristolhotel.com / rdm@thebristolhotel.com	0124-4351111/2356030	Gurgaon	DLF Phase-1, Gurgaon-122002
Vivanta by Taj	vivanta.gurgaon@tajhotels.com	0124-6671234	Gurgaon	Sector-44, Near Fortis Hospital, Gurgaon 122004

Commercial Hubs & Malls in Gurgaon

Name	Email	Contact number	Address
Ansal Plaza	harishkr@apmmc.co.in	0124-2360762	Ansal Plaza, Sector-23, Palam Vihar, Gurgaon 122017
Ambience	hr@ambienceindia.com	0124-4737101, 0124-47371201	Ambience Island, 207 NH-8, Gurgaon 122001
Centrum Plaza	khirod.samantroy@centrum.co.in	0124-4106080, 0124-4106081	Golf Course Road, Sector 53, Gurgaon 122003
DLF South Point	lovely.arora@apjll.com	0124-4240246 / 9810382682	Gold Course Road, Sector 53, DLF Phase-V, Gurgaon
DLF Cyber Hub	dlfcyberhub@dlf.in	91-9910171249 / 9873066966	DLF Cyber City, DLF Phase-2, NH-8, Gurgaon 122002
DLF Cyber City	banerjee-nishant@dlf.in / office-business@dlf.in	0124-4568909	DLF Gateway Tower, 10th Floor, DLF City Phase-III, Gurgaon 122002
DLF Corporate Green	valsala@dlf.in / arora-ashish@dlf.in	91-9910360602	NH 8, Sector 74 A, Gurgaon
First India Place	vbc@vatikagroup.com	0124-4028914	2nd Floor, Sushant Lok-I, Block B, Gurgaon
Gurgaon Central	csd.gurgaoncentral@ futurelifestyle.in	0124-2859000 / 2859102	M G Service Road, Heritage City, Sector-25, Gurgaon 122002
Gold Souk	info@goldsoukindia.com	0124-4115400 / 2577776	Block- C, Sector- 43, Sushant Lok, Phase- I, Gurgaon 122002
Iris Tech Park	info@inhwabusinesscentre.com	91-9818701326	Iris Tech Park, Sector-48, Sohna Road, Gurgaon 122002
ILD Mall	prasoontripathi@ild.co.in	0124-4935100	ILD Mall, Sohna Road, Gurgaon-122001
JMD Regent Square	info@jmdgroup.in	0124-4636363	M G Road, Saraswati Vihar, DLF Phase-I, Sector 28, Gurgaon 122001
JMD Galleria	jmdgalleria@jmdgroup.in	0124- 4005663	Sohna Road, Sector 48, Gurgaon 122001
MGF Metropolitan	info@mgf.co	0124-4017974 / 4016787	M.G. Road, DLF Phase-II, Gurgaon 122002
MGF Mega City Mall	denise.singh@mgf.co	0124-4381985 / 9871427111	M.G. Road, Gurgaon 122002
Raheja	dimple@raheja.com	91-9560579800	Raheja Mall, Sohna Road, Malibu Town, Sector-47, Gurgaon 122018
Sahara Mall	poonamyadav82@gmail.com	0124-4304900 / 91-9891279680	M G Road Saraswati Vihar, Sector-28 Gurgaon 122002
The Masterpiece	corporate@advanceindia.co.in	0124-2703000	Ground Floor, Golf Course Road, Sector-54, Gurgaon 122002
Unitech Cyber Park	arijit.banerjee@unitechgroup.com	0124-4125200 / 4125328	Unitech House, L-Block, South City-1, Sector-39, Gurgaon 122001
Vatika Business Park	vbc@vatikagroup.com	0124-4416999	First Floor, Block-2, Sector-49, Sohna Road, Gurgaon 122018
Vatika Atrium	vbc@vatikagroup.com	0124-4311106	IIIrd Floor, Block-B, Sector-53, Golf Course Road, Gurgaon 122002



Energy for Everyone.

The sun and the wind are at our service. Let's begin to tap into their awesome powers, and create a cleaner, greener future for all of us.

SunEdison is the world's largest renewable energy development company. We are transforming the way energy is generated, distributed, and owned around the globe. Join us as we create a sustainable energy environment by investing in clean solar and wind energy solutions.



Solar Water Pump Project, Rajasthan



Rooftop Project, Karnataka



Narmada Canal Top Project, Gujarat

Utility Solutions | Distributed Generation | Rooftop Solutions | Solar Water Pumps | Rural Electrification

10th Floor, New #165, Menon Eternity, St. Mary's Road, Alwarpet
Chennai - 600 018, India. Email: india@sunedison.com | Ph: +91-44-42923800

www.sunedison.com



www.sunedison.com

Generate your own free electricity

Be SunSmart. Go Solar



3.5MW Installed **2**MW Under Execution

Rooftop Solar Solutions Suitable for

- Homes
- Offices
- Industries
- Schools
- Hospitals etc.

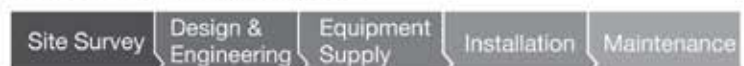
Your partner to help you go green

Jakson's rooftop PV solutions take care of your power needs without compromising the needs of the planet. Our solutions are customized to meet your varying power requirements in a safe and efficient manner- all from a single source. Jakson offers superior design and engineering competencies to suit all kinds of Indian roofs including tiled, flat or pitched.

Other Solar Solutions include Solar Generators, Water Purifiers, Home Lighting Systems and turnkey EPC for utility scale powerplants.

- Reduce your energy bill
- Suitable for all roof types
- Superior Quality
- Get high return on your investment
- Reliable & cost efficient power
- Limited dependency on grid power

Single Source Advantage



Jakson Engineers Ltd.

A-43, Phase-II Extn., Hosiery Complex, Noida - 201305, U.P. Tel.: +91-120-4302600, 4526100, 4740200

M.: +91-9810445409