



FUTURE SOLAR

COMPANY PROFILE



CORPORATE OFFICE

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Company Overview

FUTURE SOLAR was incorporated on March'2014. The Company was established with an objective to engage in the business of fabrication, erection, commissioning and operation & maintenance related works required for solar power plants, thermal power plants, refineries and other heavy engineering industries.

FUTURE SOLAR is a proprietorship based company with proprietor being Mr. Charanjeev Singh who himself is a well renowned and respected personality in the solar sector & having an experience of successful execution of 500MW Solar power plants. A company with a global vision and mission to spearhead in the field of Solar Power Plant / Solar Thermal Plant Installation work, Fabrication, Erection & Commissioning LED Lighting Solutions. Future Solar is managed and technically driven by experts, well experienced Engineers, Supervisors and Technicians in this field.

We at **FUTURE SOLAR** are passionate about contributing to a world, which does not depend on power from fossil fuels. Our aim is to accelerate the adoption of solar technology across the world to conserve our environment and provide an environmentally friendly, sustainable and conflict-free power supply.

Our performance includes several repeated orders from the same client within such a short span of time and contracts from various clients.

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MISSION

- *Our Mission is to improve continually our services and products to meet our customer's needs through:*
- *Our focus on total system integration and optimization. This is accomplished by first understanding our customer's unique needs.*
- *Continuously improving the cycle time reduction and modernization of construction methods applicable for the power, process industries.*



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PHILOSOPHY



To bring in a high level of execution skills, meet customer benchmarks serve customers and satisfy them through:

- *Timely completion of projects / excellent results in O&M field without compromising on quality.*
- *Improving on existing quality-system in its operations.*
- *Achieving greater productivity and safety standards.*
- *Developing human resources and improve employee attitudes.*
- *Maintaining good growth of net worth and build on the assets of the company.*
- *Leading market and highly dependable services provider.*
- *Developing partnerships for growth and diversification.*

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QUALITY POLICY

At FUTURE SOLAR quality policy starts and ends with the customer as a focal point:

WE NEVER FORGET THAT:

***“IT TAKES MONTHS TO DEVELOP A CUSTOMER...
“SECONDS TO LOOSE ONE.”***

KEEPING ABOVE IN MIND, WE NEVER COMPROMISE IN QUALITY.

We try to understand the customer's requirements, designs optimal solutions to meet those requirements, build systems and processes in place to ensure quality at every stage, and achieving our commitments on delivery and service before and after sales.

At FUTURE SOLAR, quality is never an accident, but the result of conscious efforts. Helping us in our quest for the best are our inherent strengths.

It's pretty simple to get the best results, we use the

- Best raw material***
- Commanding position in sourcing top quality manpower***
- Achieving maximum level of accuracy thereby, reducing reworks.***

It is our endeavor to create a culture of total quality where continuous improvement of our products becomes a way of life.

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SAFETY POLICY

Safety can be achieved only by determination and commitment from each and every. Employee to work safely follow all procedures, use protective equipment and promptly correct all unsafe acts and situations however small they may be.

General Safety Measures

- *Proper shoes or preferably safety shoes must be worn at all times.*
- *Safety helmet must be worn with the chin strap properly tied up while entering the plant. A separate record should be maintained, if possible, of the blood groups of the persons employed.*
- *Outfit of the workers/supervisors/engineers should not be loose fitting such as bellbottom trousers etc.*
- *Safety belt should be worn while working at heights. It should be tied properly to a rigid anchoring point before the operator begins his job at the heights.*
- *If any person takes out a grating or a man hole cover where people walk normally, then the same area should be enclosed by ropes, securely tied to ropes raised on all four corners and danger board such as CAUTION: WORK IN PROGRESS should be also placed.*
- *Any person working on platforms at higher levels must make sure that his place of work is safely enclosed either by a pipe or a strong rope so that there is no accidental slipping.*
- *Oil and grease should not be spilt on ladder and platforms. In case it is dropped, sufficient precautions should be taken to wipe thoroughly so that the persons walking will not slip.*

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STRENGTHS

- *Dedicated Team of Experienced & Focused Professionals.*
- *Qualified professionals with vast experience in solar sector. Thereby, always executing quality jobs.*
- *Easily accessible management.*
- *Better understanding of the job.*
- *Huge pool of manpower available.*
- *Capability of mobilization of qualified & experienced team for taking up O&M in professional manner.*
- *Vast cumulative experience of personnel in erection & commissioning of Solar PV power plants in India.*
- *Support in terms of identification of agencies for strategic tie-ups.*

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ERECTION - SOLAR



Solar Fields and Roof top Concepts

- ***Scope Includes:-***
- - ***Supply***
- - ***Erection***
- - ***Testing***
- - ***Commissioning***
- - ***Includes all Electrical and C&I Jobs***
- - ***Sub Station Work***
- - ***Solar O&M***
- - ***EPC***

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WHY SOLAR?

Solar power is the conversion of energy from sunlight into electricity, either directly using photovoltaics (PV), indirectly using concentrated solar power, or a combination. Concentrated solar power systems use lenses or mirrors and tracking systems to focus a large area of sunlight into a small beam. Photovoltaic cells convert light into an electric current using the photovoltaic effect.

A rooftop photovoltaic power station, or rooftop PV system, is a photovoltaic system that has its electricity-generating solar panels mounted on the rooftop of a residential or commercial building or structure. The various components of such a system include photovoltaic modules, mounting systems, cables, solar inverters and other electrical accessories.

Rooftop mounted systems are small compared to ground-mounted photovoltaic power stations with capacities in the megawatt range. Rooftop PV systems on residential buildings typically feature a capacity of about 5 to 20 kilowatts (kW), while those mounted on commercial buildings often reach 100 kilowatts or more.

There are many technical challenges to integrating large amounts of rooftop PV systems to the power grid. For example:

Reverse Power Flow

The electric power grid was not designed for two way power flow at the distribution level. Distribution feeders are usually designed as a radial system for one way power flow transmitted over long distances from large centralized generators to customer loads at the end of the distribution feeder. Now with localized and distributed solar PV generation on rooftops, reverse flow causes power to flow to the substation and transformer, causing significant challenges. This has adverse effects on protection coordination and voltage regulators.

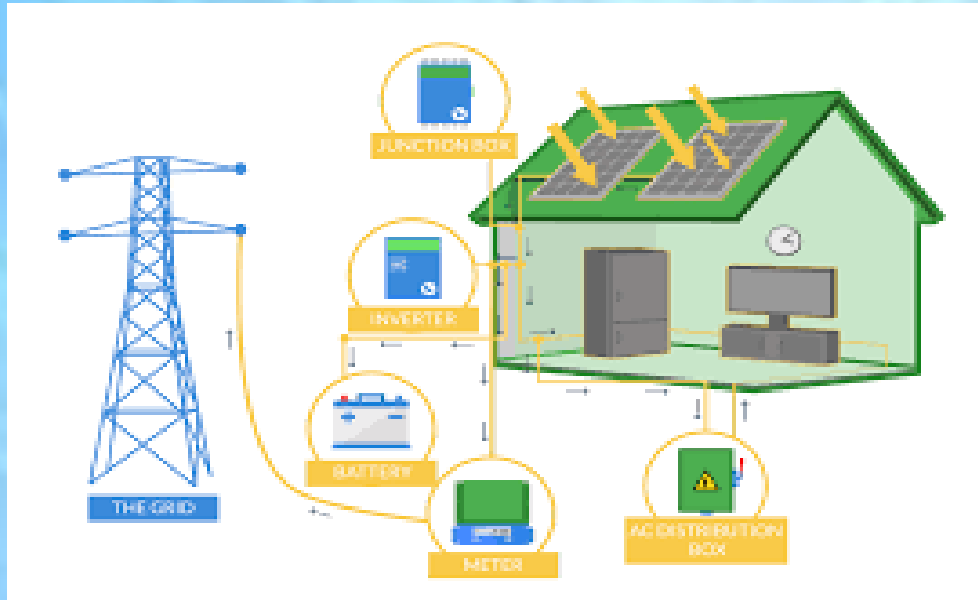
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Ramp rates

Rapid fluctuations of generation from PV systems due to intermittent clouds cause undesirable levels of voltage variability in the distribution feeder. At high penetration of rooftop PV, this voltage variability reduces the stability of the grid due to transient imbalance in load and generation and causes voltage and frequency to exceed set limits if not countered by power controls. That is, the centralized generators cannot ramp fast enough to match the variability of the PV systems causing frequency mismatch in the nearby system. This could lead to blackouts. This is an example of how a simple localized rooftop PV system can affect the larger power grid. The issue is partially mitigated by distributing solar panels over a wide area, and by adding storage.



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KEY PERSONS

Sr. No.	Name	Designation	Qualification	Experience
1	Charanjeev Singh	Director	B.Tech (Mech.), MBA	17 yrs. In the field of automobile, Solar Power & Thermal Power Sector
2	Ravinder Singh	Senior General Manager	MBA	15 yrs, in the field of Solar power & Thermal Power sector
3	Yadvinder Singh	General Manager	M.A	8 yrs. In the field of Solar Power & Thermal Power Sector
4	Sunil kumar	Senior Accountant	M.com	12 years, in the field of Accounts
5	Kritesh Sandiliya	Project Manager	MBA (Operations)	9 yrs. In Solar Power & Thermal Power sector
6	Karamjeet Singh	Project Manager	BSC (I.T)	8 yrs. In Solar Power Sector
7	Sandeep Batra	Incharge (O&M)	Diploma	8 yrs. In Solar Power Sector
8	Rohtash Singh	Sr. Project Engineer	Diploma (Electrical)	5 yrs. In the field of Solar Power Sector
9	Avtar Singh	Sr. Project Engineer	Diploma (Electrical)	5 yrs. In the field of Solar Power Sector
10	Kapil Saini	General Manager	M.Sc.	13 yrs. In the field of Solar Power & Thermal Power Sector
11	Manish sharma	Project Manager	B.tech (Electrical)	4 years, in the field of Thermal power plant & 2 year in the field of Solar power Sector
12	Er. Mohita Malhotra	Project Management Executive	B.tech, Mtech (ECE)	3.5 years, In the field of Solar Power Sector
13	Sachin Rohilla	HR Admin	MBA (HR)	4.5 years, in HR field

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Erection, Testing & Commissioning - Solar Jobs

SR. NO	JOB DESCRIPTION	CLIENT NAME	DURATION	STATUS
1	MMS Installation of 5 MWp Solar Power Plant at Charanka, Gujarat	Tata International	1 Month	Completed
2	MMS Installation of 1 MWp Solar Power Plant at Charanka, Gujarat	Tata International	15 Days	Completed
3	Erection of DCDB/MLDB/ELDB works at 25 MWp Solar Power Plant at Kamalpur, Gujarat	Responsive SUITP Ltd.	2.5 Month	Completed
4	Erection of DCDB/MLDB/ELDB works at 25 MWp Solar Power Plant at Chattel, Gujarat	HPPPL	1.5 Month	Completed
5	Erection of DCDB/MLDB/ELDB works at 25 MWp Solar Power Plant at Ujjawala, Gujarat	HPPPL	2 Month	Completed
6	SCADA Implementation Work at 130MWp Solar Power Plants at Gujarat.	HPPPL	2 Month	Completed
7	MMS Installation of 10.5 MWP Solar Power Plant at Charanka, Gujarat	Tata International Ltd	2 Month	Completed
8	MMS Installation with DC field of 2 MWp Solar Power Plant at Sitamau, Madhya Pradesh	L&T Constructions – ECC Div	2 Month	Completed
9	Erection, Testing & Commissioning of 250 Kwp Roof Top Solar Power Plant at ONGC, New Delhi.	MBSL	20 Days	Completed
10	Foundation, MMS Installation with DC field of 1.5 MWp Solar Power Plant at Akola, Maharashtra	Waaree Energies Ltd.	1 Month	Completed
11	SCADA Implementation Work at 25MWp Solar Power Plants at 1Ganges, Upleta	HPPPL	1 Month	Completed
12	Scada Cable Laying Job, Trenching, Termination of Cables at Ganeswani Project.	HPPPL	1 Month	Completed
13	Scada Cable Trenching, Cable Laying, Earthing, Equipment Laying & its Installation and Commissioning at Neemuch (MP) Site	HPPPL	2 Month	Completed
14	Installation & Commissioning DC Work at Neemuch (MP) Site	HPPPL	1.5 Month	Completed
15	Installation & Commissioning I & C DC Work at Neemuch (MP) Site	HPPPL	15 Days	Completed



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16	SCADA Implementation Work at 25MWp Solar Power Plants at CCPL, Surender nagar	HPPPL	20 Days	Completed
17	MMS Installation with DC field of 11 MW Solar Power Plant at L&T Solar Plant, Trichuli, Tamilnadu	L&T Constructions – ECC Div	4 Months	Completed
18	Foundation, MMS Installation of 15 Mwp Solar Power Plant at Abohar, Punjab.	Tata International Ltd	2 Months	Completed
19	DC Installation work of 14 Mwp Solar Power Plant at Mansa, Punjab.	HPPPL	1 Month	Completed
20	Civil Foundation with DC field of 10 MW Solar Power Plant at Surat Gujarat	Torrent Power Ltd	4 Month	Completed
21	MMS Installation with DC field of 13.6 MW Solar Power Plant at L&T Solar Plant, Narikudi, Tamilnadu.	L&T Constructions – ECC Div.	2 Month	Completed
22	Civil Foundation of 10 MW Solar Power Plant at Sardargarh, Punjab.	L&T Constructions – ECC Div.	1.5 Month	Completed
23	Installation & Commissioning of DC & Mechanical of 5 MW at Mulkanoor	Renew power	2 Month	Completed
24	Installation & Commissioning of DC & Mechanical of 10MW at Kamareddy	Renew power	2 Month	Completed
25	Pilling, DC & Mechanical week of 11 MW at Bithwala			
26	Installation & Commissioning of DC work at Mansa Mirpur	HPPPL	1 Month	Completed
27	Maintenance work of 27 MW, Mirpur Mansa	HPPPL	2 Month	Completed
28	50 Mw Cleaning week at Ujjawala	Responsive SUITP Ltd.	2.5 Month	Completed
29	AC & DC work of 2.2 Mw	Waaree Energies Ltd	1.2 Month	Completed
30	1 Mw EPC Installation of Solar Power Plant at Ambala	Military Engineer Service		Under Execution

There are many other Mws projects which are under Execution at Telangana, Karnataka, Tamilnadu, Gujarat, Punjab, U.P, Haryana, Bihar



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LIST OF EXPERIENCE OF KEY PROJECTS

Operation & Maintenance Jobs



Erection, Testing & Commissioning Jobs – Solar



Fabrication Jobs



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