

Vikas Pralhad Patil

EPC , Design & Development Engineer (Solar product, application & project's)



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WORK EXPERIENCE

5 years 2 months

AGE

27

ABOUT ME

- Passionate in the belief that renewable energy product & application development is essential to the growth and success of an organization as well as society that wishes to scale and achieve higher levels of profitability with good nature. Extensive involvement in all levels of relationship building, projects and development. I have good knowledge about solar projects, Solar products (Eg. Solar pump, inverter etc.) & application EPC (Solar petrol pump, water pump, roof top solar etc.) 8.5 Solar power project. Proven ability to manage multiple projects while meeting challenging deadlines. I have total experience 5+ years in the above field.



Education

Bachelor of Engineering / Bachelor of Technology, Electrical

SSBT COET bhambhori

Graduated, May 2013

North Maharashtra University

68.45 %

Jalgaon, Maharashtra

Division I

Master of Engineering / Master of Technology, Electrical Power Systems

SSBT COET bhambhori

Graduated, May 2015

North Maharashtra University

68.15 %

Jalgaon, Maharashtra

Division – Distinction

Bachelor of Social Work, Renewable energy assessment

Government of India

Completed, February 2017

Skill council for green jobs

68%

Jalgaon, Maharashtra

Division I



Work Experience



June 2015 – Currently working

Sr. Executive Engineer

Jain Irrigation Systems Ltd.

Jalgaon, Maharashtra

Overview of Job

- Lead / work as process owner of Jain's 8.5 MW solar power plant (Generating Unit).
- Lead testing department (Testing & Certification of solar product as per MNRE guidelines e.g Solar pump)
- Take a lead into the issue of technology transfer and product development.
- Preparation & Reviewing of drawings/documents like Instrument index, I/O list, Loop diagrams, Cable tray layout, Junction box wiring diagram, Cable schedule.

Responsibility and Accomplishment

- Working as a Sr. Executive or Process owner of 8.5 M-Watt solar power plant & solar product testing & certification departments.
- Manage internal solar asset & implement internal solar projects from design up to commissioning.
- EPC , Design & Development Solar pump , roof top solar project's etc.



May 2013 - May 2015

Executive Engineer

Jain Irrigation Systems Ltd.

Jalgaon, Maharashtra

Overview of Job

- Designing of Solar application and Solar product ,also working for new solar product development.
- Development of solar petrol pumps application.

Responsibility and Accomplishment

- Close monitoring of solar product testing & certification
- Close monitoring of newly developed product pilot batch
- Solar pump selection as per tender requirements.



Training and Certifications

- | | |
|--|---|
| ● Industrial training, Indian Railway POH Bhusawal, 2011 | ● Industrial training, Indian Railway MOH Bhusawal, 2011 |
| ● Training in industrial automation, TAACT Institute Nasik, 2015 | ● Design aspects & performance evaluation of motors & pumps, ELECTRICAL RESEARCH & DEVELOPMENT ASSOCIATION VADODARA, 2017 |
| ● Reduce energy bill of pumps fans & blower's, TAACT Institute Nasik, 2015 | |



Awards & Honors

- | | |
|--|---|
| ● Honored for the saving of 7 lakh INR by in-house repairing of 1 MW Inverter system of solar power generation unites. | ● Save yearly 10 lakh INR by replace all electrical pump by solar pump. |
|--|---|



Skills

- Team oriented and result drive
- Self-motivated
- Quite good management skill & technical knowledge
- Built a good public relations



Computer Proficiency

Operating Systems

- Windows 7 / 8 / 10, *Expert*

Operating Software

- PV-SOL
- PV-Syst
- MATLAB
- Pump Selection



Languages Known

1) English

2) Hindi

3) Marathi



Career Highlights

Summary overview

- Work as a processes owner of solar power project (generation unite) & Online data monitoring system installation for 8.5 MW generating unit,
- EPC of solar pump, Selection of solar pump to meet MNRE guidelines, Technical support to PV panel structure design team, delivery head & water collecting system.
- Faced internal and external audit of IMS (ISO 9000, ISO 14000, OSHAS 18000) and EMS as a process owner for 8.5M Watt Solar Power project.

- Coordinated for Installation of 2MW solar power generation unit with its layout & electrical wiring to control system up to commissioning of overall system.
- Internal solar asset management

Specific Highlights & Achievements

- Got an opportunity to work with organization chairman Late Shree B.H. Jain (Bade Bhau - Founder Chairman of Jain group)
- Replaced all electrical pump installed in company with solar pump this concept saves up to 10 Lakhs every year.



Professional Affiliations

- Industrial training on AC Motor & AC Drives,IEC005 Reduce energy bill of pump, fan and compressor system.
- Awareness IMS (Integrated management system- It include ISO-1900 ,ISO-1400 & BS-1800)
- Internal Auditor of IMS and EnMS
- Head of Solar Product Testing & Certification
- Technical trainer for solar & electrical engineer



Personal Interests

Educational Development ,Outdoors Sports and Fishing



Extra-Curricular Activities

- Internal Auditor of IMS and EnMS
- MNRE certified assessor for skill council Green Job
- Testing and Certification of Solar Products as per MNRE



Project

Project 1

Production lineup

Period:

August 2013 - February 2014

Role:

Project Engineer

- Start initial phase of production & lineup production.
- Understand the production procedure & implement new production Procedure.
- Gather the instrument required for production & developed illiterate employee for zero defect production.

Project 2

Agricultural Solar Phase - 1

Period:

March 2014 - October 2015

Role:

Team Leader

- Project did under Chairman guidance
- Replacement of all electrical water pump by solar water pump
- Near about 1Mwatt solar system are in use.
- For implementing above concept we save 10 lakh per year .

Project 3

Agricultural Solar Phase - 2

Period:

January 2015 - September 2015

Role:

Team Leader

- Design & Developed solar pump field testing setup
- Above setup are used multipurpose i.e. solar pump field testing & fulfillment of agricultural water requirements

Project 4 Evaluate PV-Panel performance
Period: December 2014 - January 2016
Role: Team Leader

- Study the effect of PV-panel performance mounted on water body.
- Reducing Payback period while controlling the temperature of the PV-Panel.
- Selection of proper converter system helps to increase system efficiency
- It also increases the specific generation of the system

Project 5 Technology Updation
Period: May 2015 - August 2017
Client: Bern University Switzerland

- Develop small water pump for domestic & agricultural purpose
- Aim of this project is to work for development (Technical& social life) of financially backward people in the word (E.g. Kenya , Uganda / south American people etc..)

Project 6 Enhancement of 8.5 MWatt solar power plant (Generating Unite) performance
Period: June 2017 - Current
Role: Team Leader / Plant Head

- Check overall plant health & troubleshoot problems in systems



Personal Details

Father's Name:	Mr. Pralhad Patil	Marital Status:	Married
Birthday:	May 14, 1991	Nationality:	India
Gender:	Male	Passport No.	P1326626, Expires 05/23/26
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