



VIKAS PATIL

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



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WORK EXPERIENCE

5 years

AGE

26

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 quite 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
North Maharashtra University
Jalgaon, Maharashtra

Graduated, May 2013
Marks 68%
Division I

Master of Engineering / Master of Technology, Electrical Power Systems

SSBT COET bhambhori
North Maharashtra University
Jalgaon, Maharashtra

Graduated, May 2015
Marks 68%
Division I

Bachelor of Social Work, Renewable energy assessment

Government of India
Skill council for green jobs
jalgaon, Maharashtra

Completed, February 2017
Marks 68%
Division I



Work Experience



June 2015 - Current

Sr. Executive Engineer

Jain Irrigation Systems Ltd.
Jalgaon, Maharashtra

Overview of Job

- Lead / work as process owner of Jains 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 plant head of 8.5 MWatt 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..



June 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 pump 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
- Reduce energy bill of pumps fans & blower's, TAACT Institute Nasik, 2015
- Training in industrial automation, TAACT Institute Nasik, 2015
- Design aspects & performance evaluation of motors & pumps, ELECTRICAL RESEARCH & DEVELOPMENT ASSOCIATION VADODARA, 2017



Awards & Honors

- Honored for the saving of 7 lakh INR by in-house repairing of 1 MW Inverter system of solar power generation units.
- 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 ●●●●●

Software

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



Engineering Skills

Languages

- HTML ●●●●●



Languages

- Marathi ●●●●●
- English ●●●●●
- Hindi ●●●●●



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 EnMS as a process owner for 8.5MWatt 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 save up to 10 Lakhs per 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

Project Summary

- 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 Summary

- 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

Project Summary

- 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

Period: December 2014 - January 2016
Role: Team Leader

Evaluate PV-Panel performance

Project Summary

- 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

Period: May 2015 - August 2017
Client: Bern University Switzerland

Technology Updation

Project Summary

- 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

Period: June 2017 - Current
Role: Team Leader / Plant Head

Enhancement of 8.5 MWatt solar power plant (Generating Unite) performance

Project Summary

- Check overall plant health & troubleshoot problems in systems



Personal Details

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

Address: Gat. no. -95, Plot no. -26
Shreeram nagar dadawadi , Maharashtra
jalgaon - 425001, Maharashtra

Declaration

I, Vikas Patil, hereby declare that the information contained herein is true and correct to the best of my knowledge and belief.

jalgaon , Maharashtra

Vikas Patil

