

## Professional Summary

Experienced Solar Project Design Engineer with over 3+ years of experience in Solar Industry with successful experience in Engineering Design, Procurement, Construction, Project Management, quality Assurance and Asset Management in Solar PV Projects. Energy Audit in Commercial, Industrial, Residential, Building Management system to calculate & verify energy saving using engineering. Complete analysis of electricity bill for Energy Saving. Power System analysis using ETAP Software (Load flow Study, Sizing of transformer, short circuit study, Cable sizing) etc.

## Skills

- AutoCAD
- ETAP Software
- EPLAN Software
- PvSyst Software
- Helioscope Software
- Google Sketch Up (Shadow Analysis)
- The Solar Labs Software
- Project Management
- Electrical Design & Engineering

## Work History

### **PROJECT DESIGN ENGINEER**, 09/2017 - Current **Accurate India Pvt Ltd**, PUNE, MAHARASHTRA

- Screening models include: bin analyses, e-Quest, Helioscope, PVSyst and 3D Shading analysis using Google Sketch Up.
- Prepare Solar PV layouts and Electrical one-line diagrams in Auto CAD
- Perform system energy modeling and energy estimates using solar design software
- Prepare project proposals, quotes, BOM, budgets, and schedules, Co-ordinate and schedule site inspection for solar potential.
- Visit customer site to determine solar system needs, requirements, and specifications, liaising with electricity utilities, state nodal agencies, government authorities to fulfill project compliance.
- Supervise solar installers, technicians, and subcontractors to ensure compliance with safety standards.
- Estimate materials, equipment, and personnel needed for residential or commercial solar installation projects.
- Inspection of solar panels, Inverter, AC distribution box, DC Distribution box, Transformers, PCC & MCC Panels, DG Sets with quality control and quality assurance.
- Inspection, Installation & Commissioning of Earthing Layout / Pit, Cable Trench, Lighting Layout.
- Experience designing medium and low voltage power distribution systems

### **PROJECT ENGINEER**, 02/2017 - 06/2017 **OVI Solar**, PUNE, MAHARASHTRA

- Controlled engineering activities to maintain work standards, adhere to timelines and meet quality assurance targets.
- Assessed scope and requirements to make accurate project design determinations for various projects.

- Communicated with industrial equipment installers to deliver technical support throughout project execution.
- Assisted in Net Metering, Site Survey, operation and maintenance, planning site layouts and load analysis.

#### **APPRENTICE ELECTRICIAN**

##### **Maharashtra State Electricity Distribution, MAHARASHTRA**

- Worked under supervision of electrician to learn trade and develop electrical knowledge.
- Performed detailed evaluations and made repairs on various electrical equipment such as light fixtures, controls, switches, relays and circuit breaker panels.
- Worked on 33 KV to 11 KV Distribution line.
- To attend the breakdown for 33 KV line and maintenance of Distribution Transformer such as, Insulator, Disk, Cable, joint cable, LT ST Box and attend Ground fault line to line.
- Testing of transformer earth test, phase to phase, phase to ground and preventive maintenance of transformers.

## **Certifications**

- ETAP & EPLAN Certifications from Livewire Institute, Pune
- Solar PV System Design Course using PVSyst & Helioscope from KWatt Center for Professional Training, Mumbai
- Certificate of Design Engineer Electrical from Advance Electrical Design & Engineering Institute, New Delhi
- Certified Design Engineer Solar Power from Advance Electrical Design & Engineering Institute, New Delhi

## **Education**

**Bachelor of Engineering:** Electrical Engineering

**Acharya Vinobha Bhave Institute of Technology** - Wardha, 06/2016

**Diploma:** Electrical Engineering

**Government Polytechnic** - 06/2016

## **Accomplishments**

- 25 KW BIPV Modules Installation in THE MINT Building Baner Pune.
- Gera River Joy Real Estate Goa 100 KW Residential project using Enphase Inverter.
- Huf India Pvt Ltd .1MW (Ground + Solar Roof Top) Industrial Solar Power Plant Chakan Pune.
- Katraj Dairy 1.5 MW (Ground Mount ) Pait Maharashtra project.
- Mask Polymer 500 KW (Roof Top) Pait Maharashtra project.
- Experience in installation & design of Solar Pump Project of 3.5 HP, 5 Hp & 7.5 Hp
- Experience with Grid connection or Grid+PV or PV+DG working using specially designed components selections

- Design skills for **KW to MW** level Solar Power Projects

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## Additional Information

### Declaration

I hereby declare that all the information mentioned above is true to my knowledge and I bear the responsibility for the above-mentioned particulars.