

Chaitanya Popat Yadav.

Design Engineer.

Experienced Electrical Engineer having 3.2 Years of experience in Renewable Energy Sector. looking for responsible career opportunities to fully utilize my skills & knowledge while making a significant contribution to the success of the company.

yadavchaitanya27@gmail.com ✉

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B 306 Chaitrangan Society Katraj Pune., Pune, India 📍

WORK EXPERIENCE

Design Engineer

Fourth Partner Energy PVT.LTD

11/2020 - Present

PUNE

Distributed Solar Energy Firm.

Work Responsibilities

- Conduct on site & Virtual site Survey, Creates the work plan in own area of responsibility and actively manages this work on time with quality. Participation in Solar PV plant feasibility report preparation.
- Proper Coordination and Communication with BD person to understand and fulfill the client demand.
- Prepare Initial stage of Designing of Plant to frizz the capacity. PVSystem report, Shadow Analysis of Plant and Load Calculations from given inputs.
- Detailed Designing including Cable Sizing, Inverter & Module selection, String Sizing, Voltage drop Calculation, Power loss Calculation, Cable Loss Calculations & SWG selection.
- Sizing Calculations for the protection Fuse, Connectors, SCB, SPD all DC components and Ability to select the DC Fuse, SCB, String / Central Inverters or PCS and all associated equipment's for solar PV plant as per IEC, IS, IEEE standards.
- Preparing Execution Layouts of DC & AC Cable Routing, Array Layout, Earthing Layout, SLD's and Overall Plant Layouts.
- Prepare detailed BOQ and review the documents before finalization of design and send it to higher authorities. Coordination of designs and review activities between Contractor/EPC, Design team and client office.
- Perform computer simulation of solar PV generation system performance to optimize efficiency. Analysis cost and benefits of proposed design

Executive Engineer

Navitas Green Solutions PVT.LTD

08/2018 - 03/2020

PUNE Maharashtra

EPC Contractor and Solar Module Manufacturer .

Jr. Engineer (Design/Project)

A.B Electricals PVT.LTD

07/2017 - 08/2018

PUNE Maharashtra

Well Known Electrical Contractor Company.

B.E (ELECTRICAL)

Study Program

Pune University

08/2014 - 07/2017

Pune Maharashtra 67.73%

Diploma (Electrical Engineering)

Govt. Polytechnic Kolhapur

07/2011 - 06/2014

Kolhapur Maharashtra 73.13 %

SOFTWARE SKILLS

Autocad

PVSystem

Google Sketchup

Matlab

Ms Office

SOFT SKILLS

Good Communication

Teamwork

Adaptability

CERTIFICATES

- 100 hrs Certificate Course In Design, Installation and Commissioning of Solar PV System. Under School of Energy Studies & Arbutus Consultants.
- Certificate of SKILL COUNCIL FOR GREEN JOBS. GOV. of INDIA 2018.
- Advance Training Programme on Green Building (IGBC)
- Certificate of Utility Pathway to Digitalization. (ABB)
- ISO 50001: Energy Management System. (Udemy)

LANGUAGES

Hindi

Full Professional Proficiency

English

Professional Working Proficiency

Marathi

Native or Bilingual Proficiency

TECHNICAL INTERESTS

Electrical Design

Storage Technology

Energy Analyst

Renewable Energy