



RAHUL M. PATEL

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8 Years of Experience in Conventional as well as Renewable Power plants Design Engineering.

CAREER OBJECTIVE

I Aspire to work professionally managed environment which can provide me challenging work and dynamic environment, wherein I can fully utilize my skills and ideas and professional skills that I have acquired in my experience to render my best efforts towards growth of organization and self.

PROFESSIONAL EXPERIENCE

Conversant with

- Concept design, Detailed engineering and review of design for utility scale Photovoltaic solar plant for Domestic as well as Overseas project.
- Project conceptualization, preparation of Technical specification/RfP document, bid evaluation, Site Coordination, Vendor & Client coordination, Site Visits for Quality Monitoring during construction and during commissioning.
- Design & Review DC & AC side engineering, Substation design & Layouts, Protection, metering and control philosophy.
- Expertise in AC engineering and Electrical system studies such as Short circuit, Load flow, Relay co-ordinations, Arc flash, Grounding studies, cable thermal analysis using ETAP software with ANSI & IEC standards.
- Site Coordination, Vendor & Client coordination, Site Visits for Quality Monitoring during construction and during commissioning
- Project component sizing calculations like Transformers, Underground / Air installed Cables, Instrument transformers, UPS/Battery charger system, Illumination, earthing system CCTV system etc.
- SPV Plant component review as per technical specification competency and Procurement assistance to client.
- Main and auxiliary electrical components document Review & Factory Inspections.
- Preparation of Project schedule and high timeline for project engineering.
- Familiar with ERP platform for Manufacturing and consulting firms (Zoho, TCS iON).
- Resolution of unforeseen issue during project implementation.

PREVIOUS EMPLOYMENTS

Company: SgurrEnergy India, Pune – Consultant in Renewable energy (Solar)

Designation - Senior Project Engineer - Electrical

Working period: June 2017 to till date

Roles & Responsibilities-

- Leading project team of five employee that works on all aspects of projects. Active involvement in FEE and ensuring effective co-ordination various services team including civil structural & infrastructural scope of works in project design engineering.
- Involvement in complete process concept to commissioning cycle of Solar PV Plant project for domestic as well as overseas project and Engineering documents final review and handling of critical tasks.
- Assistance to construction management team.
- Active communication with client and EPCs for coordinating with all teams, to complete project in timeline.
- Regular vendor discussions regarding product information and to keep up new trends in market.

Key projects:

Domestic Projects

- Review Engineering for 50MW_{AC} PV Plant, Lightsource BP at Waghdari, Maharashtra.
- Concept to commissioning for 50MW_{AC} PV Plant at Bhadla Solar Park, Rajasthan.
- Review Engineering for the 70MW_{AC} Solar PV plant at Saharanpur, Uttar Pradesh.
- 132/33kV Switchyard Concept to commissioning for 200MW_{AC} PV Plant at Thoothukudi, Tamilnadu.
- Detail Engineering for EPC, 20MW_{AC} PV Plant at Auraiya, Uttar Pradesh.
- 66/11kV Switchyard Review for 30MW_{AC} PV Plant at Madhugiri, Karnataka.
- Prebid Engineering for 600MW_{AC} PV Plant at Pokharan, Rajasthan.
- Prebid Engineering for 250MW_{AC} PV Plant at Koppal, Karnataka.

Overseas Projects

- Detail engineering for 15MW_P PV Plant at Kandahar, Afghanistan.
- EPC Consultant and Review Engineering for 50MW_P PV Plant at Binh Dinh, Vietnam.
- Front end Engineering (FEE) for 86.25MW_P PV Plant at Northern Cape, South Africa.
- Front end Engineering (FEE) for 100MW_{AC} PV plant at Bhagerhat, Khulna, Bangladesh.
- Review engineering for 51.45 MW_{AC} PV plant at D Nipro Region, Ukraine.
- Detail engineering for 50+20MW_{AC} PV Plant at Madina & Rafha, Saudi Arabia.
- Detail Engineering, Electrical System Studies for 72.5MW_{AC} PV Plant at Seabrook, SC, USA.
- Detail Engineering, Electrical System Studies for 20MW_{AC} PV Plant at Mojave, CA, USA.

Special Projects

- Rooftop project – Electrical Studies - Cable sizing, Grounding & layouts.
- Detail Engineering for Floating Solar project with DG hybrid power 2.5MW_P PV Plant at Randheli Island, Maldives.
- 1.5GW Solar park at Madhya Pradesh – Assistance in technical & commercial feasibility of Solar park Power evacuation schemes.

Company: IKE Electric Pvt. Ltd, Pune

Designation – Senior Design Engineer, Electrical

Working period: May 2015 to March 2017.

Roles & Responsibilities-

- Review of Technical specification & Tender document for project and project execution planning.
- Client Co-ordination for project execution and standards conformity.
- Designing of LV & MV Power and Motor control panel, Generator Transformer C&R, LV distribution system and interconnecting Busduct/Cabling system.
- Preparation of Bill of material and manufacturing work order through ERP & assistance in procurement process for all Bill of materials.
- Assistance to production, Quality Inspections.

Major project Experience:

- OPG Power, 2x150MW Thermal Power plant, Gujarat- Control panel for MV Motors, LT PCC & MCC.
- Vitthal Refined Sugars, Karmala, Maharashtra – 11kV HT panel adapting with Existing TG, Cogeneration LT panels, Siemens VFD Panel (Sinamics G120, PM230, PM240)
- Bhimashankar 3500TCD SSK, 14MW TG Cogen- 11kV HT panel, LT PCC & MCC panels
- Al Ghurair Resources Oils, 8MW Cogen plant, Dubai, UAE – 11kV HT panel, LT PCC & Smart MCC with Siemens Simocode pro-S
- Ambalika Sugars 31.5MVA GT expansion Cogen plant – 11kV HT panel, Pumps & fan VFD drives with ABB ACS850, ACS580, 12pulse Twin drive operation ACS880.
- Sudarshan Chemicals, Roha, Maharashtra – 22kV HT panel, CRP panel for GT protection.

Company: PPS Energy Solutions, Kothrud, Pune

Designation – Consultant Engineer

Working period: August 2014 to May 2015.

Roles & Responsibilities-

- Carrying out Electrical audit project as a team member.
- Data analysis & process for Energy Audit report preparation.
- Meeting & follow-up with client regarding audit & energy savings activity.
- On site consultation of energy savings action plan.
- Assistance in Energy saving commissioning activity.

Company: IKE Electric Pvt. Ltd., Sanaswadi, Pune

Designation – Junior Engineer, Production & Testing

Working period: November 2012 to August 2014.

Roles & Responsibilities-

- Assisting Design and Production process of Electrical panels.
- Work supervision and Material follow-up in production process of Electrical panel.
- Assistance in Quality assurance plan of product.
- Internal electrical testing of panels as drawings and documentation.
- Meeting with client relating Product inspection and testing.

SKILLS

Software

- Solar design assist software – Sketch up, DiaLux
- Conversant with PV syst

- System Study Software – ETAP Version 18 to 19.5
- Auto-CAD 2010, 2013 – Electrical Designing Software.
- Cloud based ERP software - TCS-iON Version-5, Zoho
- MS-Office (MS-Excel, MS-Word, MS-Power Point, MS-Project).
- Basic knowledge of PLC software & programming.

Soft Skills

- Good Team leader and managerial skills, interpersonal skills.
- Excellent oral and written communications.
- Good analytical skills, Report presentation skills.

ACADEMIC CREDENTIALS

Year 2012 Bachelor's Degree in Electrical Engineering from G.H. Raisoni College of Engineering, Pune under University of Pune Secured 64.80% with First Class with Distinction.

Academic project – Grid interconnection of renewable energy plant.

Year 2009 Diploma in Electrical Engineering from Cusrow Wadia Institute of Technology Secured 68.53% with First Class with Distinction.

Academic project – Voltage Stabilizer.

Year 2006 S.S.C from Sundarbai Marathe Vidyalay, Kharadi Pune Secured 78.00%

PERSONAL DOSSIER

Date of Birth: 01st April 1991

Passport Number: S7927471

Gender: Male

Marital Status: Married

Interests: Read, Travel, to stay updated, to stay busy.

Languages: English, Hindi, Marathi, Gujrathi

Can join in: 2 months.

UNDERTAKINGS

The above information provided is a true to the best of my knowledge. I hereby agree for my personal data, included in my job application, to be processed in line with the needs of recruitment, in accordance with the law on personal data protection of 29 august 1997. (*Law gazette from 2002, No.101, heading 926, as amended*)

Rahul M Patel