

# **Mihir D. Shah**

**B. Tech. Electrical Engineering**

**Mid-Level Electrical Engineering Professional**

**Experience: 6+ years**

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**Address: A-17, Ashutosh Society-2, Opposite HDFC Bank, Link Road, Bharuch-392001, Gujarat (INDIA).**

## **Middle level positions in Project Design, Execution & Coordination with a reputed organization OBJECTIVE**

Intend to build a career with leading and corporate company of good environment with committed & dedicated employee, which will help me to explore myself fully and realize my potential. Willing to work as a vital employee in challenging & creative environment.

## **SYNOPSIS**

- ⇒ I have completed B.E. in Electrical Engineering from G.H. Patel College of Engineering and Technology from Vallabh Vidyanagar, Anand Gujarat.
- ⇒ I have **total experience of 6.7 years** & Currently associated with **Harsha Abakus Solar Pvt. Ltd., Ahmedabad, Gujarat** as a **Solar Design Engineer from 20 March'2017**.
- ⇒ **Handling India & Dubai roof top proposal and Detailed engineering work and Ground Mount project proposal.**
- ⇒ Proficiencies in managing complete Solar PV Design, Energy yield estimation, Installation and Commissioning of Various equipment related to project.
- ⇒ **Involved in Projects:**

<b>Project</b>	<b>Solar PV Design, Installation and Commissioning Activities of Equipment's</b>
Golf Ceramic, Mehsana	350kWp Roof Top project
Cera Ceramic, Kadi	1MWp Roof Top project
JBM, Vithalapur	1.6 MWp Roof Top Project
Honda Plant, Vithalapur	5 MWp roof top Project proposal
GEDA	1kW to 25kW residential roof top project
Majid al Futtaim, Dubai	2 MWp Roof Top project proposal
Akshardham Temple, Delhi	250kWp roof top project proposal
MASDAR, Dubai	54 kWp ground mount project proposal

- ⇒ Knowledge of AutoCAD, PVsyst, proficient user of MS Office & Outlook Express.
- ⇒ Proficient in self adaptation, working lively in team, good at managing schedule in time and efficient in working independently as per requirement.
- ⇒ Acquired effective communication with interpersonal and analytical skills.

- ⇒ I am involved in meeting with clients for drawings approval, also involved with vendors for technical discussion before placing an order and finalize the vendor as per technical aspects of our client requirement.

## **ORGANIZATIONAL EXPERIENCE**

### **Ujaas Energy Ltd, Indore, M.P.” (Feb’2016 to Mar’2017)**

#### **Design, Execution and Commissioning:**

- ⇒ As a Sr. Design Engineer, my job mainly deals with the designing and engineering of solar energy system.
- ⇒ Study of Tender Specification and Determine scope of Supply.
- ⇒ Visit installation site for gathering requirements & observing condition of site.
- ⇒ Responsible for end to end installation including erection, commissioning, client coordination & documentation for a specific site.
- ⇒ Preparation of Technical specification for various Solar PV items like Solar Module, Inverter, Cables, ACDB, SMU, AJB, Data Logger, PVsyst report etc.
- ⇒ Technical scrutiny of all the offers as received from various approved vendors with respect to agreed contract specifications and our operational requirement as per client.
- ⇒ Preparation of Basic and Detail Engineering drawings of Solar PV Array Layout, earthing scheme, Equipment layout, Single Line Diagram, AC & DC Cable Routing Layout and Bill of Materials as per the Technical Specification and submit to the client for their Approval. Also Prepare CEIG & MNRE Drawing as per their guidelines.
- ⇒ Power cable sizing calculation.
- ⇒ Preparation of layout in AutoCAD i.e.: Single Line Diagram, Solar module placement, Cable routing, Earthing scheme, Equipment Layout and Cable tray layout.

#### **Involved in Projects:**

<b>Project</b>	<b>Solar PV Design, Installation and Commissioning Activities of Equipments</b>
VSI Airport, Port Blair, A&N	158 kWp On Grid System
SBI Chetana, Indore	100 kWp Roof Top project
BARC, Mumbai	400kWp Roof Top Project
IOCL, Delhi	120 kWp On Grid system

### **Shashwat Cleantech pvt ltd, Ahmedabad, Gujarat” (Sep’2015 to Jan’2016)**

- ⇒ Since Sep’2015 to Jan’2016 with a Shashwat Cleantech pvt. Ltd. “Solar PV Design and Execution Manager”
- ⇒ Shashwat works in the sectors of clean energy, water efficiency and energy efficiency. Shashwat is manufacturer of clean technology products, an investor in clean energy

projects and Engineering, Procurement and construction (EPC) company to government agencies, commercial entities and non-profit organization.

**Design, Execution and Commissioning:**

- ⇒ As a Technical Manager, my job mainly deals with the designing, engineering and execution of solar energy system.
- ⇒ Study of NIT Specification and Determine scope of Supply.
- ⇒ Visit installation site for gathering requirements & observing condition of site.
- ⇒ Responsible for end to end installation including erection, commissioning, client coordination & documentation for a specific site.
- ⇒ Technical scrutiny of all the offers as received from various approved vendors with respect to agreed contract specifications and our operational requirement as per client.
- ⇒ Preparation of Basic and Detail Engineering drawings of Solar PV Array Layout, earthing scheme, Equipment layout, Single Line Diagram, AC & DC Cable Routing Layout and Bill of Materials as per the Technical Specification and submit to the client for their Approval. Also Prepare CEIG & MNRE Drawing as per their guidelines.
- ⇒ Raise the Purchase Requisition as per Tech. Specification and Basic Engineering drawings.
- ⇒ Power cable sizing calculation.
- ⇒ Preparation of layout in AutoCAD i.e.: Single Line Diagram, Solar module placement, Cable routing, Earthing scheme, Equipment Layout and Cable tray layout.

**Involved in Projects:**

Project	Solar PV Design, Installation and Commissioning Activities of Equipments
CEPT University	30 kW on Grid System
Colourtex, Surat	400 KW on Grid System
jay chemical khambhat	300 KW on Grid System
Indian Rayon, Veraval	50 KW on Grid system

**Waaree Energies Ltd, Sachin, Surat, Gujarat (Jan'2013 to Sept'2015)**

- ⇒ Since Jan'2013 to Sept'2015 with a Waaree Energies Ltd "Solar PV Design and Execution Engineer"
- ⇒ **Waaree Energies Ltd** Established in 2007 and is one of India's most diversified and fastest growing solar power solution companies with a presence across the solar power value chain. As one of India's leading solar power companies, our facilities comprise of a 250 to 500 MW PV module manufacturing plant in Surat, India.

**Design, Execution and Commissioning:**

- ⇒ As an Engineer, my job mainly deals with the designing, engineering and execution of solar energy system.
- ⇒ Visit installation site for gathering requirements & observing condition of site.
- ⇒ Understand the solar design for a specific site & preparing the required materials for execution.
- ⇒ Managing the solar system installation team.
- ⇒ Responsible for end to end installation including erection, commissioning, client coordination & documentation for a specific site.
- ⇒ To resolve the challenges & complex issues faced during installation & complete the installation as per the target deadlines.
- ⇒ Experience in installation of Solar Water Pump System, Solar Street Light & solving problems of Solar Water Pump System.

#### **Involved in Projects:**

<b>Project</b>	<b>Solar PV Installation and Commissioning Activities of Equipment's</b>
Akal Academy, Punjab	245 KW Off Grid System
VVP Engg. Clg., Rajkot	60 KW on Grid System
HUL, Mumbai	22 KW on Grid system
AMC, Ahmedabad	15 KW on Grid System

#### **Styrolution India Pvt Ltd. Dahej, Gujarat. (Jan'2012 to Jan'2013)**

- ⇒ **Apprentice Engineer for Plant Electrical maintenance.**

#### **QUALIFICATION**

- ⇒ **B.E (Electrical Engineering)** from G.H. Patel College of Engineering and Technology from Vallabh Vidyanagar, Anand Gujarat-2011 Secured **67 %**
- ⇒ H.S.C from Narayan Vidyalaya, Bharuch, GHSEB, in 2007, Secured **70%**
- ⇒ S.S.C from Amity High School, Bharuch, GSEB, in 2005, Secured **84%**

#### **TRAINING ACCOMPLISHED**

- ⇒ 2 Weeks training at **GPEC (Gujarat Paguthan Energy Corporation)** on dual plant, which includes studies of steam power plant and diesel plant.

#### **CO-CURRICULAR ACTIVITIES**

- ⇒ Participated in TECHNO ARCHERY of BRAHMAASTRA '09.
- ⇒ Participated in the event spark10world held under ILLUME, organized by IEEE GCET student branch.
- ⇒ Participated in the event PLC held under ILLUME, organized by IEEE GCET student

- branch.
- ⇒ Participated in the event workshop on motors held by powerfista society of power engineer.

## SKILLS

- ⇒ **Communication Skills:** My diverse range of experiences at Jobs and University gave me verbal and written communication skills. As an outgoing person, I also have numerous opportunities to develop my interpersonal skills to a high level.
- ⇒ **Time management Skills:** While working at industries I have been assigned with various task and Projects. These activities have put additional demands on my time and without careful planning, I couldn't have succeeded. I have never missed any deadline for my projects or assignments as I schedule and complete my tasks in order of priority.
- ⇒ **Deadlines and pressure:** I am a flexible person who enjoys facing new challenges. I am used to working to strict and ever-changing deadlines and thrive when the pressure is on.
- ⇒ **Solar Design:** Good Experience in Solar PV Plant design & in Auto-cad.

## PERSONAL DETAILS

Name	:	Mihir Dilip Shah
Date of Birth	:	27 <sup>th</sup> Sep 1989
Father's Name	:	Mr. Dilip K Shah
Sex	:	Male
Marital Status	:	Married
Nationality	:	Indian
Language Competency (written & verbal)	:	English, Hindi, Gujarati
Hobbies	:	Travelling, Indoor and Outdoor Game

## DECLARATION

I, the undersigned hereby declare that all the above information is true to the best of my knowledge.

**Place:** Bharuch, Gujarat, India

(Mihir Dilip Shah)