

Curriculum Vitae

Murtuza K Challawala

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Career Objective

- To make the best of all opportunities and work smart towards achieving credibility in terms of seeing how best I can impact the business practices, performance and success of the organization

Summary

- **Total 4 years of Experience in Solar Design field.**
- A focused professional with enthusiasm to make a winning career in Solar designing field
- A team leader with good communication and interpersonal skills
- Skilled with ability to analyse, interpret problems and find right solutions using logical thinking
- Design Solar PV Plant more than 75MW
- More Than 10MWp Grid connected Solar PV Plant successfully executed.
- B. Tech From Charusat university with First Class
- Experience in Solar PV plant designing, procurement and Executing
- Strong Communication, collaboration & interpersonal Skill with proficiency in grasping new technical concept quickly and utilizing them in effective manner
- Software- Auto Cad, PV Syst, Google Sketch up.

Professional Experience

TEP Solar India Pvt ltd. Hyderabad, India

Assistant Manager-Design, Nov-17-Present

➤ Role and responsibilities

- Selection & Sizing of various Electrical Equipment's, preparation of Engineering Documents.
- Standard Installation Details
- Designing of Basic Engineering which includes SLD, Switchyard Engg, Electrical layout, Sectional Layout, General Arrangement Layout, as per Tender Specification / Site Condition.
- Transformer Sizing calculation. HT/LT [PCC-MCC] Boards Specs, Control scheme preparation as per contract document and vendor drawing review for the same to get approval from the customer. Scrutiny of the parameters/ Bill of Material given by Vender with Technical Specification for Major Equipment like Transformer, HT BOARDS, PCC, MCC, UPS, Battery & Battery Charger, Motors etc.
- Prepared the Power cable schedule, cable sizing and BOQ calculation, cable tray route drawing preparation, cable tray mounting and other details preparation, requirement of Power Junction Boxes (PJB) as per calculation.

ProZeal Infra Engineering Pvt Ltd., Ahmedabad, India

Design Engineer, Nov-2015 – Present (1 Years 9 Month)

➤ Role and responsibilities

- Design Engineer and Project management, Procurement, logistic
- Prepare Auto-cad PV Plant Layout and other Layout as per site Requirement.
- Prepare Detailed Analysis Report with PV Syst.

- Managing multiple projects to ensure they are completed within timescale and budget;
- Conceptual design of solar PV facilities;
- Fully Responsible for Erection and installation Of MMS, Module, Inverter, SMB, ACDB
- Make sure Commissioning of Site on time.
- Inspection of Solar PV plants
- Feasibility studies for PV plants
- Development of technical specifications and scope of work documentation for solar PV projects
- Meeting With Client and Understanding their Requirement.
- Prepare Detailed BOM.
- Procure Material and Deliver at the site in Time Frame.
- Complete the Project in Timeline.
- Interfacing with clients to discuss results and risk mitigation;
- Preparation of proposals including scope of services, schedule and budgeting;
- Preparation of technical papers or presentations;
- Continuously Communicate with Site Engineer and Contractor to Ensure smoothly work
- Meeting with Supplier and Design team to prepare Cost Effective BOM
- Complete the Project with Cost Effective Budget.
- Upload the B.O.M on MNRE Portal and follow up till ECDC and CCDC Certificate

Major Project Achievement

- Design and Execution of 2.0 MWp Grid Connected Ground mounted Solar PV Plant at Jay Chemical Industries, Khambhat
- Design and Execution of 3.5 MWp Grid connected Roof Top+ Ground mounted+ Car parking Solar PV Plant at Capgemini, Mumbai, Pune, Chennai
- Design and Execution of 900 KWP Grid Connected Solar PV Plant at Pidilite Industries limited at various location
- Design and Execution of 520 KWP Grid Connected Solar PV car Port at Ankit Gems Pvt Ltd- Surat
- Design and Execution of 685KWp Grid Connected Solar Pv Plant with SS Structure Roof Top Plant at Shakti polyweave-Ahmedabad
- Design and Execution of 450 KWp Grid Connected Roof Top Solar PV Plant at Sakar Healthcare- Ahmedabad
- Design and Execution of 238KWp Grid Connected Roof Top Solar PV Plant at Punjab Kesari
- Design and Execution of 280 KWP Grid Connected + 75 KWp Hybrid Roof Top Solar PV Plant at Shimla government Office-Himachal Pradesh.
- Design and Execution of 278 KWp Grid Connected Roof Top Solar PV Plant at Ramdev Studio-Mumbai
- Design and Execution of 50 KWp Grid Connected Solar RoofTop Plant at Pidilite.Mahad
- Design and Execution of 50 KWp Grid Connected Solar RoofTop Plant at Super Urecoat-Ahmedabad

TecSo Project Limited. Vadodara, India

Executive Engineer – (Solar PV)- March 2014 – NOV 2015-(1 Years and 8 Month)

➤ **Role and Responsibilities:**

- Prepare Auto-cad PV Plant Layout and other Layout as per site Requirement.
- Prepare Detailed Analysis Report with PV Syst.
- Meeting with client to understand their requirement.
- Inspection of Solar PV plants

- Feasibility studies for PV plants
- Execution of the DC Work i.e. erection of Module, SMB, Inverter
- Execution of the AC Work i.e. erection of Transformer, ACDB/VCB HT Panel etc.
- Continuously Contact with Contractor on site and provide all Material on time.
- Prepare Daily Progress Report.
- Prepare Detailed Project Report.
- Prepare and Submit Document to the Government office.
- Design PV System.

Major Project Achievement

- Design and Engineering of 50MW Solar Power Project at Jordan, Middle East
- Captive Solar Rooftop projects ranging from 3KW to 112KW for National and International sites of Gujarat, Goa, Maharashtra, UAE etc
- Design and engineering of 10MW Solar power Project at Bhadla, rajasthan
- Design of 50MW Solar Power Project at Gujarat
- Design and Execution of 3.0 MWp Grid Connected Ground mounted Solar PV Plant at Agrawal Renewables ,Jodhpur
- Design and Execution of 1.0 MWp Grid Connected Ground Mounted Solar PV Plant at A K Ahmed & Co., Madurai

Educational Qualification

B.Tech-Electrical Engineer

- B.Tech From Charotar university of science & technology in 2013 with 7.02 CGPA
- 12th From R & L Pandya High School (GHSEB), Gujarat In 2009 with 69.20%.
- 10th From R & L Pandya High School(GHSEB), Gujarat In 2007 with 81.85%

Personal Skills

- Ability to work in a fast-paced environment to set deadlines.
- Excellent oral and written correspondence with an exceptional attention to detail.
- Highly organized with a creative flair for project work.
- Enthusiastic self-starter who contributes well to the team.
- MS Office - Word, PowerPoint & Excel

Personal Information

Date of Birth : March 4, 1992
Permanent Address : Ahmedabad, Gujarat
Current Location : Mumbai, Maharashtra
Languages known : Hindi, Gujarati, English