

Rafee Ullah Khan

(Electrical Engineer)

PEC Reg # : Elect / 48844

Mobile : +92-3017122354

Email Id : rrafe051@gmail.com

Temp : Ali town Near Thoker Niaz Baig Lahore

Address : P.o Aziz ullah khel wala.Mianwali



Objective

To excel in a competitive environment, that effectively utilizes my analytical, interpersonal, leadership and organizational skills to conceive and achieve solutions, which help the organization in not only meeting its targets, but also allowing it to grow. I want to become a trump card of a dynamic organization, by virtue of hard work and utilization of my professional education.

Experience Detail

➤ Professional Experience: 6 Years

- Currently work as a Senior Engineer in Siddiq Renewable Energy Pvt Ltd (part of Siddiq shafi group).(Jan 2020)
- One year works as a Project Engineer in Reon Energy Limited. (March 2019 to Feb 2020)
- 2.5 years' Experience as a Project Engineer in Peak Worx Pvt Ltd.
- 1 years' Experience as a Trainee Engineer in Maple Leaf Cement Factory Iskanderbad.

My Responsibilities include as follows.

- Site audit, survey and Prepared BOQ.
- Design complete technical solution for solar PV System on Helioscope, PV Syst, SketchUp and Auto Cad software according to site location and position.
- Conduct research into the feasibility, design, operation and performance of electrical solar generation and distribution networks, equipment, and components.
- Design and making layout of solar structure, Route of Cable and grounding of solar projects on sketchUp and Auto Cad.
- Commissioning and installation of off-grid, on-grid and hybrid solar system(SUN Grow, Fronius,Huawei,Good We, Infini, Jin Tech, Infinity,JFY derive).
- Erection and Commissioning of all electrical installation by using different solar tools and make commissioning reports according to data recorded. (I-V tracer, Meggar, Earthing Testing meter, Hi-Pot, Thermal Imagers).
- Testing and commissioning of power cable and power transformer (PEL,TRANSFOPOWER).
- Operation and monitoring of Distributive Control System of substation in Central Control Room to regulate and co-ordinate the system frequencies, voltages and load.(Schneider, ABB)
- Operation and maintenance solar tacker system and its protection.
- Confident in performing yield assessments using simulation software as PVSYST, following the rules and guidelines defined by the Technical Design.
- Generate electrical schematics such as SLDs (Single Line Diagrams) aligned with the standards set by company and International standards.
- Permanent contact with suppliers for technical discussion on project solutions, alternative solutions and optimization of the electrical infrastructures.
- Keeping up with the procurement team to share the project requirements and aligning the project design accordingly.
- Testing and calculation of system.
- Coordinate internal resources and third parties/vendors for the flawless execution of projects.
- Ensure that all projects are delivered on-time, within scope and within budget
- Meet with clients to take detailed ordering briefs and clarify specific requirements of each project.
- Develop a detailed project plan to monitor and track progress

- Manage changes to the project scope, project schedule and project costs using appropriate verification techniques
- Measure project performance using appropriate tools and techniques
- Report and escalate to management as needed
- Manage the relationship with the client and all stakeholders
- Perform risk management to minimize project risks
- Establish and maintain relationships with third parties/vendors
- Create and maintain comprehensive project documentation

Cement Factory

One year work experience as “Trainee Engineer Electrical” in Maple Leaf Cement Factory Iskanderabad (Feb 2015 to Dec 2015).

At cement factory I reported to Senior Electrical Manager for all activities

MY Responsibilities include:

- Installation of all types of electrical equipment such as current transformer, circuit breaker, isolators, earth switch and light arresters, power cables, generators, power transformers, auxiliary transformers, electrical motor.
- Operation of AC Motors. (Slipring, Squirrel cage upto 5100 Kw).
- Operation and working of LV/MV Switchgear. (ABB & Siemens Technologies).
- Operation and Maintenance of Liquid Starters.
- Operation & Maintenance of Voltage Distribution.
- Operation & Maintenance of Electrostatic Precipitator. Testing Numeric relays (SeverkerTest).
- Protection and distribution of LV/MV
- Place standby power sources on line in emergencies to run the auxiliaries.
- Operation and monitoring of Distributive Control System of substation in Central.
- Organize presentation and demo for the client and generate report for the management.

Project Completed

- Design up to 5MW solar power project.
- 12.5MW Solar Power Project FCCL Attock.
- 10 MW solar auto tracker project ENI bhitt Sindh.
- 1MW solar power project Siddiq leather works Lahore.
- 242KW solar System in SPL2 Lahore.
- 180KW grander factory Gajomata.
- 120KW Jamal Fabrics Pvt Ltd Lahore.
- 160 KW Mehar Industry Lahore
- 70KW Ravi Feed Project Lahore
- 100KW solar power project COMSATS University Islamabad.
- 33 KW Solar Project The Lahore Laycium School Faislabad.
- 40 KW solar power project margilla Hill Islamabad.

Education

- B.E Electrical Engineering
COMSATS University Abbottabad (2011-2015)
- FSc Pre Engineering
ABdull Razaq Fazia College Mianwali (2009)
- Matric Science
GOVT COMP High School Mianwali (2006).

Certification

- Vibration Analyst of category II
MOBIUS Institute Board of Certification (Aug 2018 to Aug 2023).
- Training and certification of Jntech under international Training of trainers Program.

Internships

- Three-month internship at Maple leaf Cement Factory Iskanadarabad, Mianwali Pakistan
- Three month internship at Jinnah hydro power plant (DONGFANG Electric Corporation Project) kalabagh, Mianwali.
- Three month internship at CHASHMA hydro power plant Mianwali, Pakistan.

Computer Literacy

- **Engineering Software:** AutoCAD, PScad, Matlab, MPlab.Simulink, Multisim, proteous Helioscope, PV SYS.
- **Programming Languages:** C++, OOP, MS excel
- **Packages:** MS Office, Adobe Acrobat. Adobe Photoshop.
- **Operating Systems:** MS Windows 95/98/NT/2000/XP/VISTA.

Key skill

Communication: Ability to explain design idea clearly to the senior staff. Communicate with customer and satisfy them by providing an easy, low cost and better solution .Deals with external customers at all levels via telephone and physically meeting with them.

Expert Technical Skill: Ability to define system requirement, design system solution on hardware/software purchases and adapt on going market advance technology.

Problem Solving: Ability to analyze complex problem and Give best solution to the customer by examining their requirement and need. Concern with the seniors and external business partner to find out the best option and solution for our client.

Team Player: Work with team member and share knowledge with them so that they should also increase their skill.

Planning and Organizing: Arrange a plan for specific project and organize team according to their skill.

Diagnose problem: Analyzed and diagnosed problem through direct customer contact.

Systems Knowledge: understanding of electrical health and safety measurements. Prepare the report according to our project after completing the project for the management accurately.