



TAYYAB ALI

E-mail: iamalitayyab@gmail.com | Contact: +92 305 4404243

Passport Number: ND1839311 | Languages: [English and Urdu](#)

Electrical Technician will carry out maintenance, installation, overhauling and modification activities on plant's electrical machinery and equipment in accordance with standard maintenance procedures, HSE guidelines and quality standards to attain effective functionality and reliability.

PROFESSIONAL EXPERIENCE

Aug, 2023 – Present **Electrical Technician –
Fatima Fertilizer Limited, Pakistan**

- Ensure a clean, safe, and organized work environment, adhering to all safety protocols and 6S in the workplace.
- Perform preventive maintenance tasks on equipment according to established schedules to minimize downtime and optimize performance.
- Utilize technical manuals, blueprints, schematics, and Process & Instrument Diagrams (P&IDs) to effectively diagnose and resolve issues.
- Perform PM tasks, check and makeup (11KV OCBs, SF6, and VCBs), (3KV VCBs), (380V MPCBs).
- Synchronization of Gas Turbine Generator (GTG) and Two Steam Turbine Generators (STG) at auto (using ABB Synchroact® 5), manual mode, and closely vigilance of different parameters.
- Motor, Generator, Transformer protections and protection zone using ANSI standards.
- Programming / Set parameters of VFD of all brand's (ABB, Siemens, Delta, etc).
- Install, maintain, and repair a wide range of electrical systems, including transformers, controllers, motors, UPS.
- Implement improvements to existing electrical systems, collaborating with the engineering team as needed.
- Routine checkup and startup of Emergency Diesel Generators at manual and auto mode.
- Troubleshoot, repair malfunctions in automation systems, PLCs, LOGO, servo drives, and other control systems.
- Maintain accurate and up-to-date documentation of all repairs, maintenance activities, and inventory control.
- Train and support production personnel on proper equipment operation and basic troubleshooting procedures.
- Train and mentor junior technicians to uphold high standards of safety and technical excellence.
- Stay abreast of new technologies and advancements within the electrical and automation fields.
- Maintain accurate maintenance records and reports.

Feb, 2023 – Aug, 2023 **Electrical Technician –
Colgate-Palmolive (Pakistan) Limited**

Dec, 2022 – Feb, 2023 **Internship Trainee –
425-MW, Combined Cycle Power Plant, Nandipur
Dongfang Electric Corporation Ltd (China)**

Aug, 2019 – Dec, 2022 **Electrical Technician –
Master Tiles & Ceramic Industries Limited**

MEASURING & TESTING INSTRUMENTS

Digital M.V & L.V Insulation resistance tester, Digital low resistance Ohm meter, Digital (AVO) Multimeter, Digital Clamp-on meter, Digital Earth resistance tester, Transformer Oil tester, Phase Sequence Indicator, Thermo Graphic Gun, Laser Temperature Gun, Portable Appliances (Class-I and Class-II) tester.

PROFESSIONAL TRAININGS

- Member of Emergency Response Team
- Acceptor of PTW (Work Permit Procedure)
- Fire Fighting Training
- Electrical Safety
- First-Aid
- Lock-Out, Tag-Out, & Try-Out Procedure
- Use of Personal Protective Equipment's
- Good Knowledge of Hazards & Required Safety Practices Associated With Urea Fertilizers Complex

ACADEMICS EDUCATION

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| Oct, 2016 – Sep, 2019 | Diploma Of Electrical Technology (DAE Advance Level)
Swedish Institute of Technology, Gujranwala – Pakistan
<i>Straight As (3/3). 84.22% marks and A+ grade</i> |
| Aug, 2014 – July, 2016 | Govt. Islamia Higher Secondary School Gujranwala – Pakistan
Matric with Science (Ordinary Level) |

ACADEMIC ACHIVEMENTS

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| • Achieved 3 rd position out of 150 students in Diploma of Associate Engineering (Advance Level) Electrical Technology | 2019 |
| • Awarded merit scholarship in Diploma of Associate Engineering (Advance Level) | 2017 |

PROFESSIONAL CERTIFICATIONS

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| • GE: “Engineering Virtual Experience (Energy, Healthcare, Aviation Systems)” by Forage | Aug, 2022 |
| • ABB: “RE-615 Series Relays Operation Training” by ASEA Brown Boveri | |
| • Coursera: “Electric Power Systems” by The State University of New York (SUNY) | Sep, 2023 |
| • Coursera: “Safety in the Utility Industry” by The State University of New York (SUNY) | Dec, 2023 |
| • Coursera: “Natural Gas” by The State University of New York (SUNY) | Jan, 2024 |
| • Confidence Development-How to believe in yourself, hosted by ASME UET Lahore | Apr, 2021 |
| • “Pak Youth Hour” organized by Pakistan Youth Squard | Mar, 2023 |

SKILLS

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| • Analytical thinking skills | • Analytical Electrical systems repair proficiency |
| • Analytical Physically capable | • Mechanical aptitude |
| • Leadership skill | • Teamwork |

PROFESSIONAL AFFILIATIONS

- New York Academy of Science
- DLSEI Phase 2b by Higher Education Commission, Govt. of Pakistan
- Member, Punjab Board of Technical Education (Registration No. 216-1402-00973)

PRESENTATION

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| • Webinar “HSEIA Studies Management Risk in Oil and Gas Industries” by The VELOSI Asset Integrity & Engineering Consultancy Services | Jun, 2024 |
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RFERENCES

Will be furnished on demand