

Abdul Basit

Professional Engineer

PEC # ELECT / 38803

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Objective

"A Dedicated and Ambitious Professional Electrical Engineer with a rich background in Power Systems Operations and Maintenance, encompassing Transmission lines, and Power Transformers, and coupled with valuable insights into electrical generation, my mission is to leverage my extensive knowledge and skills to elevate the efficiency and reliability of electrical systems. I am committed to making a meaningful impact by applying my expertise to projects that require a profound understanding of power infrastructure. My goal is to ensure the safety and optimization of electrical operations, ultimately contributing to the success of initiatives that demand excellence in power engineering."

Strengths

- Self-starting, goal oriented strategist
- Project Management
- Data Analysis
- Technical presentation and training skills
- Team Leadership
- Strong Communication skills
- Safety Compliance
- Design Skills

Work Experiences:

As Deputy Manager Grid System Operations (Transmission)



K-Electric
(From Dec 2019 to till)

Job Responsibilities:

- Monitored, managed, and controlled the 220/132/66kV transmission network of K-Electric, Pakistan's only vertically integrated power utility, ensuring real-time network reliability and performance.
- Operated and supervised the transmission grid through SCADA (Siemens Spectrum Power 4), overseeing critical electrical parameters such as voltage levels, frequency, power flow, and equipment status in alignment with Grid Code compliance.
- Planned and arranged scheduled and forced shutdowns for EHV/HV transmission lines, power and auto transformers, and associated grid equipment to maintain optimal load flow within rated capacities.
- Performed load flow and short circuit analysis using ETAP software to support grid planning, expansion, and post-disturbance evaluations.
- Conducted technical coordination and root cause analysis for grid disturbances, including transformer or transmission line tripping, using load flow and fault data to diagnose system issues.
- Participated in the annual preventive maintenance and testing of power transformers and 11kV switchgear systems, performing diagnostics such as TTR, insulation resistance, winding resistance, DGA, thermography, breaker timing, contact resistance, and vacuum bottle integrity testing.
- Collaborated closely with Network Control, Grid System Maintenance Protection (GSMP), and other cross-functional teams to plan and implement shutdowns, preventive maintenance schedules, and restoration activities.
- Liaised with Site Transmission, Projects, and Operational Control Rooms (OCRs) to ensure effective communication, hazard identification, incident reporting, and execution of grid-related tasks.
- Provided operational support on protection systems with working knowledge of relay coordination, fault parameters, and transformer/feeder protection schemes.
- Maintained 24/7 grid operations through rotational shifts, including nights, weekends, and holidays, to ensure continuous monitoring and response capabilities.
- Performed on-site Safety Walks at grid stations to verify compliance with HSE standards, report non-conformities, and ensure corrective actions in line with internal policies.
- Ensured strict adherence to Standard Operating Procedures (SOPs), Process Safety Management (PSM), and hazardous area classifications across all transmission operations.

As Assistant Manager Technical (Distribution)



K-Electric
(From June 2015 to Nov 2019)

Job Responsibilities:

- Lead a shift comprises of multiple Assistant Engineers and supervisors to supervise and control all activities, operations and maintenance related to HT/LT network comprising of 11kV and 0.4kV switchgears, Transformers, Ring Main Units etc.
- Planning, organizing and execution of power shutdowns for conduction preventive & corrective maintenance.
- Work on different projects like installation of Aerial Bundle Cables (ABCs) and 11kV overhead conductors with all necessary materials on the basis of system improvement proposals (SIPs).
- Priorities work to achieve optimal performance and ensure proper working mechanism for teams w.r.t SOP.
- Capable of carrying out analysis-based resolution of problematic area regarding HT & LT complaints by preparation of PM plan of 11kV & 0.4kV network.
- Have sound knowledge of MV and LV cable Testing, laying and termination.
- Responsible for improvement of reliability KPIs SAIFI and SAIDI through effective management of outages.
- Monitoring of all activities of complaints receiving and closing using SAP CRM.

As Electrical Engineer (E&I)



Fatima Group of Industries.
(From November 2013 to June 2015)

Job Responsibilities:

- Ensure smooth and trouble free operations of electrical equipments at plant site.
- Operation & Maintenance of **15MW Steam Turbine** Generators Power Plant.
- Maintenance and Overhauling of all Electric Motors, Starters and MCCs.
- Maintenance, Overhauling & Operation of Variable Frequency Drives.
- Guide Supervisors and Technicians for early restoration of faults.
- Work and lead the shift along with senior shift Incharges.
- Co-ordinate with other departments to ensure optimum performance.
- Regularly checking fault logs and update accordingly.

As Trainee Engineer:



MCC Ruba Holding International Pvt Ltd.
(From December 2012 to May 2013)

Trainings:

- Installation and of Pmts (500KVA and 250KVA) and substations (1MVA).
- Read Electrical Drawings under the guidance of senior persons to execute the project accordingly.
- Laying of underground cables according to standard procedures.
- Installation of HT and LT poles according to the site conditions.

Internship:



Kot Addu Power Company(KAPCO)
Duration: Two Months

Learning's:

- Complete visit of 1600MW Combined Cycle Thermal Power Plant.
- Well Conversant with Combined cycle power plant, Gas Turbine and steam turbine.
- Introduction to Synchronous generators, Generator Protection, Generator (AC, DC), Motors (AC, DC, Induction), Transformer and its protections.
- Circuit breakers and relays, 132kV & 220kV, Switchyard and its protections.

Educational Qualifications:



Masters in Electrical Engineering (Silver Medalist)
Bahria University Karachi, Pakistan

2022 to 2024



Bachelors in Electrical Engineering
University of Engineering & Technology Lahore, Pakistan

2008 to 2012



F. Sc in Pre-Engineering
Fazaia Intermediate College, Korangi Creek, Karachi (FBISE)

2005 to 2008

Matric in Science
Fazaia Intermediate College, Korangi Creek, Karachi (FBISE)

2003 to 2005

Professional Courses / Certifications:

- Professional Certificate in Microsoft Project Management, *Coursera / Microsoft* – June 2025
- Project Management in Construction, *Coursera L&T EduTech* – May 2025
- SAP Professional Fundamentals, *Coursera / SAP* – April 2025
- Six Sigma Yellow Belt Specialization, *Coursera / Kennesaw State University* – January 2025
- Advanced Scheduling and Project Optimization in Primavera P6, *Coursera Packt* – February 2025
- Certified in 2-month Generative AI Training, *Pakistan Engineering Council (PEC)* – April - May 2025
- Industrial Power Systems Analysis and Stability Specialization, *Coursera / L&T EduTech* – December 2024
- AI For Everyone, *Coursera / DeepLearning.AI* – December 2024
- Certificate of Completion: 'Mastering Revit – By Projects' on Udemy
- Certificate of Completion: 'Autocad Electrical 2025 Tutorials, Exercises & Projects on Udemy
- Completed live masterclass on 'Insulation Coordination using PSCAD' By Er. Pradeep R
- Advanced Study of Protection Schemes and Switchgear, *Coursera (L&T EduTech)* – Feb 2024
- Renewable Power and Electricity Systems, *Coursera (University of Colorado Boulder)* – Jan 2024
- MV Substation – An Industrial Approach (Part A), *Coursera (L&T EduTech)* – Jan 2024
- MV Substation – An Industrial Approach (Part B), *Coursera (L&T EduTech)* – Jan 2024
- Self-Awareness and the Effective Leader, *Coursera (Rice University)* – Nov 2023
- Electrical Power Distribution, *Coursera (L&T EduTech)* – Oct 2023
- Foundations of Project Management, *Coursera (Google)* – Oct 2023
- Electric Power Systems, *Coursera (University at Buffalo)* – Aug 2023
- Electrical Safety NFPA 70E (24 Hours), *Inovo USA Training & Site Safety Solutions*
- Certificate of participation in Virtual training “Network Power Flow”

PERSONAL DETAILS:

- Father Name Munir Ahmed
- Country Pakistan
- CNIC No 42501-1093216-9
- Religion Islam
- D.O.B 12-01-1989
- Current Address Karachi
- Permanent Address Lahore

REFERENCES:

Furnished promptly upon request.