Abdullah (CV)
Electrical Engineer (WAPDA)

Tel: **+92-333-9737030**

Email: **abdullahkhan100@gmail.com**,
Mohallah Touheed Abad, Village and Post Office Pabbi, Nowshera, Pakistan

PROFILE

I have been working in the public sector organization i.e (Energy and Power) Peshawar Electric Supply Company having 15-Years' experience and demonstrated skills in Electrical Transmission and Distribution System along with comprehensive knowledge of designing, developing, and load flow studies expertise to maintain the electrical network to meet required specifications, including performance, economy, safety, reliability, quality and sustainability.

WORK EXPERIENCE (12 plus Years)

From	Till	Designation
April 2023	**Present**	Senior Engineer Operation and Maintenance (O&M)

Main Tasks and Responsibilities:

- Will perform the principal staff officer to provide assistance to Superintending Engineer day to day activities / functions
- Responsible for implementation and local management program.
- Coordinate WAPDA safety program circle
- Responsible for updating Maps and Network diagram of Circle
- Coordinate ELR program of HT/LT works with planning and Engineering Directorate of PESCO
- In charge of drafting / drawing section of circle
- Responsible for all technical analysis and plan for compilation, analysis etc
- Monitoring of meterization set right and combining of 11KV feeders
- Supervision / monitoring of Single Phase and three Phase Energy Meters
- Supervision / monitoring of Net metering upto 70-KW
- Installation of distribution transformers to the system.

Apr 2021	Aug 2023	Senior Engineer (Planning & Design)

Responsibilities:

- Supervision of overall planning and design directorate to oversee all the activities relates to Planning Section
- Connection of Industrial and Housing societies having load above 500KVA, using FD rana and SynerGEE Electric software for load flow studies.
- Supervision / Inspection of the executed works of 11 kV feeders to remove constraints.
- Working on PMS (power market survey) on yearly basis for Generation/Transmission plan to remove system constraints of the company.
- Evaluation of tender documents according to guidelines provided by Private Public Procurement Authority (PPRA)
- Preparation of PC-I and PC-II for new projects
- Preparation of detailed investment plan for each financial year for PESCO

Jan 2010	Mar 2019	Assistant Manager Operation and Maintenance Planning (O&M)

Responsibilities:

- Calculation / Analysis of Technical Loss of whole company using SynerGEE Electric Software including Capacitor placement for improvement of voltage drop and reduction of Power Losses
- Rehabilitation of 11 KV Distribution System using FDrana and SynerGEE Electric software which includes HV 11/33 KV Feeder bifurcation and LV 0.4 KV Distribution Transformer analysis.
- Geospatial visualization of Distribution Network System
- Utilizing ArcGIS software for analyzing transmission line real time data
- Utilizing SynerGEE Electric Software for modeling and analyzing power distribution system parameters in real time
- Cost Estimation for installation of Aerial Bundled Cable (ABC)
- Project of ABC Cable in District Peshawar (for improvement of System stability and losses control and safety hazardous).
- Rehabilitation of the distribution system by preparing proposals to remove over loading of the system and giving maximum technical and financial benefits.
- Site verification for installation of new Transformers.
- Analysis of HV (11 kV feeders) proposals using Energy Loss Reduction (ELR) software and SynerGEE Electric software for constraints removal.
- Analysis of LV (0.4 kV) proposals using Energy Loss Reduction (ELR) software and SynerGEE Electric software to remove over loading of transformers.
- Inspection / Monitoring of 11-KV Feeders and Distribution Transformers after execution to check Quality Control / Quality Assurance for System improvement.

Mar 2019	Mar 2021	Assistant Engineer (GSC) Grid System Construction & Operation

Responsibilities:

- Installation of 132KV / 66KV Transmission line (Grids)
- Using ZM1 (For straight line), ZM30 (for 30 degree angel) and ZM60 (for 60 degree angel) Towers for installation of 132KV Line
- SPA, SPD, SPG Poles are used for 132KV transmission line for congested area
- Lynax and Rail conductor are used for installation of transmission line (Disc insulators, Single Suspension Fitting and Single tension fitting)

EDUCATION & QUALIFICATIONS

Year	Degree	Institution
2019-21	MBA (HR)	Abasyn University, Peshawar
2003-07	BS (Electrical Engineering)	CECOS University of IT & Emerging Sciences Peshawar

TRAININGS & WORKSHOPS

- Technical Induction Course at WAPDA Engineering Academy Faisalabad, Pakistan.
- SCADA (Supervisory Control and Data Acquisition) and PLC (Programmable Logic Control) based on factories and industries.
- ArcGIS (Geographical Information System) Software
- SynerGEE software
- Safety Training and Workshop
- Gender Equity Training and Workshop
- Junior Management Course (JMC) at WAPDA Staff College Islamabad 2019-20
- Sector Specific Course (Pre Promotion) at WAPDA Engineering Academy Faisalabad, Pakistan. 2020-21

MAJOR SUBJECTS

Power System Protection, Power Electronics, Power Transmission and Distribution, Power System Analysis, Power Generation and utilization, High Voltage Engineering, Control System Engineering, Distributed generation, Renewable Energy sources, Smart Grid Operation and Control, Power System Modeling.

COMMUNICATION SKILLS

English {writing/Reading +communication},
Urdu {writing/Reading +communication},
Pashto {communication}

FINAL YEAR PROJECT

Home Automation System Sensor (HAS)

Concept of (HAS) is that we connect home appliances with microcontroller to control them via IR remote control the devices such as home appliances may be bulbs, fans etc. we use different types of oscillators, LEDs, ULN 2003 chip, Relays, A\D converter, temperature sensor for the implementation of circuit diagram, to implement this logic we need to select the appliances first and then connect them to microcontroller, the microcontroller is further connected with IR devices and microcontroller can be directly interfaced with IR sensor and the appliances which is connected with IR device can be switched on and off simultaneously with additional advantage of centralized control.

SPORTS ACHIEVEMENTS

- Playing for Nowshera Inter District level Grade-II 2011-2012.
- Best player of CECOS University for consecutive four years in cricket.
- Best player of the CECOS cricket Tournament awarded by Nestle Pakistan for 2006.
- Best player for CECOS University in HEC cricket tournament in 2005 in Islamabad.