

MUSTAQUEEM MIAN

BS ELECTRICAL ENGINEERING TECH

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PROFESSIONAL SUMMARY

Motivated and detail-oriented Electrical Engineer seeking a challenging role to apply my technical expertise and passion for innovation in electrical engineering. With a strong foundation in electrical systems design, analysis, and troubleshooting, I aim to contribute to the development of cutting-edge solutions that enhance efficiency, reliability, and sustainability. Seeking an opportunity to work with a dynamic team, leveraging my skills in power distribution, control systems, and renewable energy integration. Committed to delivering exceptional results by leveraging my strong problem-solving abilities, attention to detail, and ability to collaborate effectively with diverse stakeholders. Dedicated to professional growth and staying abreast of the latest advancements in the field.

STRENGTHS

- **Problem-solving Skills:** Adept at analyzing complex technical problems and developing innovative solutions for electrical system optimization and troubleshooting.
- **Technical Expertise:** In Dept knowledge of electrical equipment and working principles.
- **Project Management:** Proven ability to effectively manage and execute projects, ensuring adherence to timelines, budgets, and project objectives while maintaining high-quality standards.
- **Safety Focus:** Committed to ensuring compliance with safety standards and regulations, integrating safety measures into designs, and promoting a culture of safety throughout projects.
- **Communication and Collaboration:** Strong interpersonal and communication skills, fostering effective collaboration with cross-functional teams, stakeholders, and clients. Experience in presenting technical information and preparing comprehensive reports.
- **Adaptability:** Ability to adapt to changing project requirements, technologies, and industry trends, ensuring flexibility and delivering optimal solutions that align with evolving needs.

WORK EXPERIENCE:

ELECTRICAL ASSISTANT ENGINEER

Karachi Electric Company (K-Electric)

Jan 2025 till now

Karachi Electric Company (KEC), also known as K-Electric, is a leading electric utility company serving the vibrant city of Karachi, Pakistan. With a rich history spanning several decades, KEC has been a cornerstone of the city's power infrastructure, providing reliable and uninterrupted electricity supply to millions of residential, commercial, and industrial customers. As the largest vertically integrated power company in Pakistan, KEC owns and operates a diverse range of power generation facilities, transmission networks, and distribution systems.

- Survey of High Tension (16KV to 220KV) and Low Tension 0.42 KV electric power Cable & transmission routes.
- Estimate the Power Cable Installation, respective materials labor charges and transportation etc.
- Supervise the excavation of the cable route according to route sheets or diagram and estimate.
- To perform the work of installation and laying of high-tension cables up to 500 mm square size.
- Pulls Power Cables through conduit, trenches, tunnels, volts and manholes.
- Splicing, bonding and racking the cable and connect them with the switches, Transformer, Fuse boxes and distribution boards or panels.

- Megger Test of Cable for testing the insulation and continuity of the cable.
- Test the Cables as required at Grid Station, Sub-Station and RMU before installations.
- Localization of High Voltage Cable Fault with the help of impulse current equipment's.
- Cable Testing, Ping Pointing of 11 / 0.42 KV Underground cable faults using sophisticated testing equipment's of world largest companies like BICCO (England), hypotonic (USA), Mitsubishi (Japan) and BAUR (Australia) etc.
- Pin Pointing and confirming of fault position with the help of seismic phone.
- Replaces Worn Cables and repair breakage in cables by jointing like cast resin type, heat shrink, cold shrink, and Elastimold fix shrink joint types.

ASSISTANT ENGINEER OPERATION & UNDERGROUND TESTING

Karachi Electric Company (K-Electric)

June 2018 till Dec 2024

Responsible for:

- Supervising the testing team.
- Maintenance of cable testing instruments.
- Identification of cables.
- Rectification of LV & HV cable faults.
- Testing of EHT Cable Faults.
- Low Tension (L.T) & High Tension (H.T) cable testing.
- Supervision of underground installation.
- Communication on Wireless set.
- Cable laying and jointing method.

Grid Station / Stepdown Shutdown

- Busbar & Bus coupler Switch.
- Power cable of Transformer.
- 11k.v underground cable.
- Inspection of power cable & distribution 11kv cable termination.
- Inspection of power cable & distribution 11kv cable termination.
- GIS system of transformer in Grid station / Stepdown.
- Switches in grid station / stepdown.

ASSISTANT ENGINEER OPERATION & SUB STATIONS

Karachi Electric Company (K-Electric)

May 2016 till June 2018

Operating, Installation & Maintenance

- High-Tension (H.T) overhead Low-Tension (L.T) overhead.
- High-Tension (H.T) Air Circuit Breaker (ACB) or Low-Tension (L.T) Air Circuit Breaker (ACB).
- High-Tension (H.T) underground Low-Tension (L.T) underground.
- Isolation.
- Shackle point.
- Back feeding.
- Operating switchgear.

Assistant Engineer in Substation

- 11K.V Switches & Ring Main Unit (R.M.U) Sulphur Hexafluoride (SF6) Vacuum Circuit Breaker (VCB) Oil Circuit Breaker (OCB) Air Circuit Breaker (ACB) Gas Circuit Breaker (GCB).
- Operation.
- Installation.
- Switches OCB name J&P, FICO, English electric F.P.
- Switches GCB LBS for overhead transmission.

EDUCATION

- **BS in Electrical Engineering Technology – 2023**
Zia Uddin University Karachi, Pakistan
Result: 3.33 GPA
- **Diploma Associate Engineering (DAE) Electrical - 2017**
St. Patrick's Institute Karachi, Pakistan
- **Matriculation -2014**
St. Jude's High School

CERTIFICATES AND TRAINING:

- Certificate of Participation in Workplace Health and Safety
Aman Tech - 2018
- Certificate of Participation in Supervisor Refresher.
Aman Tech - 2019

PERSONAL DETAILS

1. Date of birth : 23 April 1998
2. Gender : Male
3. Marital status : Single
4. Nationality : Pakistani
5. Languages known : English (spoken, write and read) & Urdu (spoken, write and read)

All the information furnished above is true to the best of my knowledge.

References would be furnished on request.