

MUHAMMAD AAMIR KHAN

(ELECTRICAL ENGINEER)

Present Address: House NO : 07 officer Colony Chowk Munda Distric Muzaffargarh Pakistan.

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CAREER OBJECTIVE:

To work in a fast-paced environment that would allow for personal growth, development and where I can add value to the system. Making sure that all my skills and competencies are not only utilized as well as groomed and polished

EDUCATIONS/QUALIFICATION:

Sr. No	Degree/Certificate	Board/institute
01	BSC Electrical Engineering.	Institute of Southern Punjab,Multan
02	Diploma of Associate Engineer (Electrical)	Punjab Technical board of Education, LHR.

PROFESSIONAL/ORGANIZATIONAL WORKING EXPERIENCE:



Power Engineer at Mehmood Power Generation Limited (MPGL) Muzaffargarh.

Since DEC-2021 To OCT-2025

Electrical & Instrumentation (E&I) Expertise

Planning & Project Execution:

- **E&I System Design & Implementation** – Planned electrical layouts, control systems, and instrumentation for power plants
- **Installation & Commissioning** – Deployed new electrical equipment, ensuring compliance with technical specifications.
- **Power House Operations** – Managed CAT G3516C & G3520C engines as a Shift Engineer, ensuring uninterrupted power supply.

- **Electrical Systems & Maintenance:**
- **Control & Power Panels** – Operated, maintained, and erected MCC, LT, HT, and control panels.
- **Auxiliary Motors & Wiring** – Handled single & three-phase motors, domestic wiring, and circuit troubleshooting.
- **Protection Devices** – Installed and maintained MCBs, ELCBs, RCCBs, ensuring safety and fault protection.
- **Safety & Compliance:**
- **Regulatory Adherence** – Followed IE Rules, NEC, and OSHA standards for all electrical work.
- **Preventive Maintenance** – Developed schedules to minimize downtime and enhance system longevity.
- **Problem-Solving & Additional Duties:**
- **Troubleshooting** – Resolved daily E&I malfunctions in power distribution and instrumentation.
- **Cross-Functional Support** – Assisted in extra tasks as assigned by management.

Key Improvements:

- **Concise & Impactful** – Removes redundancy while keeping technical depth.
- **Structured Flow** – Groups similar tasks (e.g., panels, motors, safety).
- **Stronger Verbs** – "Deployed," "Managed," "Resolved" sound more proactive.
- **Industry Keywords** – Helps with resume screening (e.g., *MCC panels, IE Rules, commissioning*).

Key Project: Power House Installation & Commissioning

Mahmood Textile Mills Ltd. | Power Engineer

Project Scope:

Led the **full-cycle erection and installation** of a **CAT G3520C-powered plant**, ensuring seamless integration with the textile mill's electrical infrastructure while adhering to **safety, timeline, and performance standards**.

Responsibilities & Achievements:

- **Project Management:**

Directed **site preparation, equipment delivery, and installation**, ensuring strict compliance with technical specifications.

Coordinated cross-functional teams (mechanical, electrical, civil) to align with project milestones.

- **Technical Execution:**

Designed and implemented **electrical layouts, HT/LT distribution systems**, and mechanical connections for optimal power efficiency.

Oversaw **HT cable installations, terminations, and testing** (megger, IR testing) to guarantee operational reliability.

- **Safety & Compliance:**

Developed **maintenance protocols and safety SOPs** in line with **IE Rules/PEC standards**, reducing workplace hazards.

Conducted **operator training** on emergency procedures and equipment handling.

- **Outcome:**

Successfully commissioned the power house **on schedule**, enhancing plant energy resilience.

Improved system longevity via **preventive maintenance planning**.

Technical Key Skills :

- MS Word and Excel Database handling and data analytics
- Skilled in Operation of Allied Cat Generators Properly.
- Scada Software for Electrical Operation Between wapda & Generators.
- Effective communications and Presentations Skills
- Circuit Design & Analysis (AC/DC, Power Distribution)
- Electrical Systems (Wiring, Transformers, Switchgear, Circuit Breakers)
- Power Systems (Generation, Transmission, Protection)
- Control Systems (PLC, SCADA, Automation)
- Renewable Energy (Solar/Wind Systems, Battery Storage)
- Electrical CAD Tools (AutoCAD Electrical, ETAP, MATLAB)
- Troubleshooting & Maintenance (Fault Detection, Repairs)

PERSONAL INFORMATION:

Father Name	Muhammad Sikandar
Date of Birth	3rd January, 2000
Nationality	Pakistani
Iqama No.	2619636638
Passport No.	UU4149231

LANGUAGES:

English – Working & professional

Arbi – Working & professional

Urdu – Native or bilingual proficeincy

Hindko – Native or bilingual proficiency

Pujabi/Seraiki – bilingual proficiency

PERSONAL INTERESTS:

Playing cricket & Badminton.

Surfing internet

REFERENCES:

To be furnished on demand.