

Muneer Sabir
Electrical Engineer Technologist



Summary:

Electrical Engineer with solid experience in oil & gas facilities and Combined Cycle Power Plant (CCPP) operations, including projects such as the Nandipur CCPP O&M Project. Skilled in maintenance, troubleshooting, and commissioning of electrical systems including MV/LV switchgear, transformers, MCCs, protection relays, generators, and auxiliary systems. Strong background in preventive and corrective maintenance, shutdown planning, permit-to-work coordination, and ensuring compliance with HSE standards. Experienced in supervising teams, managing contractors, maintaining documentation, and ensuring safe and reliable plant operations. Committed to improving equipment reliability, minimizing downtime, and achieving operational excellence in high-demand industrial environments.

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A d d r e s s: Multan, Punjab, Pakistan

Education

B.S Electrical Engineering Technology |Sep 2020-Sep 2024| NFC IET Multan | **CGPA= 3.40 / 4.00** |

F.Sc. Pre-Engineering |Sep 2018- Sep 2020| Nishat College of science (Boys) Lodhi colony, Multan

Matriculation (Science) |Jun 2016-July 2018| Nishat School for boys, Shah Rukan E Alam colony, Multan

Experience

HEPSEC Nandipur 425-525 MW CCPP |Dec 2024 – Present|

Assistant Electrical Engineer

- Assisting in the maintenance, inspection, and troubleshooting of electrical equipment and systems such as generators, transformers, circuit breakers, and switchgear. This involves identifying faults and performing repairs or supporting maintenance staff. Assisted in managing inventory of Spare parts, tools, and equipment's, implementing efficient tracking System and check availability.
- Assisting with the testing of electrical equipment, including conducting insulation resistance tests, transformers, motors, and generators tests and ensuring that all systems meet operational standards and specifications. Proficient in utilizing the GE Mark Vie control system, demonstrating a strong command of its advanced Features and its function to manage operation of Gas turbine.
- Hands on experience of Brushless Excitation System GE Ex2100.
- Hands-on expertise in testing MHV (VCB) and HV (SF6) circuit breakers using the TM1800 analyzer.
- Hands-on experience with SF₆ circuit breakers: inspection, functional checks, contact resistance testing, and routine servicing.
- Coordinated with protection engineers on relay settings, tripping logic, and interlock verification.
- Monitor and enforce electrical safety standards (HSE policies, electricity rules, permit-to-work systems) to protect workers and equipment.
- Strong ability to read and understand engineering drawings, Single Line Diagrams (SLD), and technical specifications.

HEPSEC Nandipur 425-525 MW CCPP |Aug 2024 – Dec 2024|

Trainee Engineer

- Assisted in operation and maintenance of gas turbines, steam turbines, and auxiliary systems within a 525 MW CCPP.
- Conducted routine inspection, testing, and preventive maintenance of motors, circuit breakers, and workshop equipment.
- Supported safety observation activities, identifying unsafe acts/conditions and recommending corrective measures.
- Technical proficiency in electrical systems maintenance (motors, breakers, grounding, isolation).
- Executed switchgear isolation, grounding, and synchronization procedures during planned outages.
- Maintained battery banks and UPS systems, including electrolyte level checks and capacity testing.
- Knowledge of high-voltage systems: 132 kV switchyard, generator excitation systems, busbar arrangements and auxiliary drives.
- Effective technical documentation and reporting for both engineering and management audiences.

Albario Engineering Pvt. Limited |Jan 2024 – July 2024|

Trainee Engineer

- Safe Startup/shut down process & emergency handling operation of Gas Turbine 3 x GE Frame 9171E 3*127 MW, 1 x Dongfang Steam Turbine 190MW, and 3 x HRSG 161 Ton/h, 1 x 1000kVA Emergency Diesel Generator. Reviewing and interpreting technical drawings to ensure work aligns with specification.
- Gained working knowledge of **lock-out/tag-out (LOTO)**, isolation, and permit-to-work systems.
- Carry out safe isolation and normalization of Electrical and Mechanical Systems.
- Identify operational problems by observing and studying system functioning and performance results.
- Assisted in operation and maintenance of a 132 kV switchyard using a one-and-a-half breaker scheme.

Professional certifications

- IOSH Managing Safely (UK)
- OSHA – General Industry Safety & Health
- NTC Registration no.: Engr. Tech/Electrical/02502

Final Year Project

- Thesis: To Identify the Thermal Power Plant problems.

Extra-Curricular Activities

- Former Vice President at Blood Donation society NFC IET Multan. Led the planning and execution of blood donation campaigns. Increased awareness about the importance of blood donation within the institute.
- Active member of Life Saver Blood Donation in HEPSEC.

Additional

- **SOFT & Hard Skills:** Team Collaboration, Workplace Ethics, Adaptable in multi-cultural environment, Report Writing, Office Administrative Works, Windows/Microsoft Suite, AutoCAD/MATLAB.
- **Languages:** English, Urdu.