

Farooq Anwar

(Electrical Engineer)

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DOB: 30th July 1997



Career Objective

Electrical Maintenance Engineer with 2+ year of Experience in developing maintenance strategy of Different Electrical Equipment's. Working knowledge of IEEE, IEC and other regulatory requirements of power system. An effective communicator with strong motivational and influencing skills and demonstrated ability to deliver deadlines.

Experience

I. Working as Electrical Maintenance Engineer in Harbin Electric International (HEI) at 1x660MW Lucky Coal Fired Power Plant Port Qasim Karachi (March 2023 - Present).

Key Responsibilities:

- Leading Electrical Shift team, managing day to day electrical maintenance work, coordinating with involved interfaces to implement the reliability-based maintenance strategy and daily work report preparation.
- Contributed in preparation and implementation of electrical Maintenance documentation including PM plans, job procedures, monthly reports and test reports.
- Carried out corrective, preventive and predictive maintenance of plant electrical equipment.
- Interacts closely with Electrical technicians and plant operation team throughout the shift to troubleshoot and resolve plant related issues to ensure smooth and reliable plant operation.
- Study and design review of electrical networks, control panels, 11kV, 6.3kV, 0.4kV systems.
- Investigating problems and diagnosing and repairing faults.
- Responsible for regular inspection and preventive maintenance of 500kV GIS, 132kV, 22kV, 11kV, 6.3kV, 0.4kV systems.
- Supervise Generator, Excitation Transformer, Power Transformers and Motors testing such as IR, WR, PI, TTR, Solo run etc. during Shutdown of Plant.
- Routine Inspection, Preventive maintenance and troubleshooting of installed electrical equipment's, Such as: VFD, High voltage Motors, overhead cranes, Low voltage motors, 400V Distribution, 11kV switchgears, MOV, Bucket Wheel Stacker Reclaimer electrical system etc.
- Responsible for inspection, preventive maintenance and troubleshooting of electrical systems (Traveling, Luffing & slewing) of bucket wheel stacker reclaimer, Coal conveyor system(Motors and switchgears) and auxiliaries, coal diverters, Coal sampling system, Metal separator system.
- Perform all the Documentation, Report Writing, Inventory Management, Critical Spare parts listing, Checks Sheets, and Maintenance Procedure etc.
- Responsible for maintaining checklists and relevant documents.

II. Working as Junior Engineer in Korea Electric Power Corporation (KEPCO-KPS) at 1x660MW Lucky Coal Fired Power Plant Port Qasim Karachi (August 2021-February 2023).

Key Responsibilities:

- Monitoring the commissioning work of 11kV/6.3kV/0.4kV switchgears with SEPCO III, on behalf of O&M team of KEPCO- KPS and Preparation of daily progress report of Electrical Department.
- Supervise testing and commissioning of Switchgear, Motors, Transformers, VFD, Overhead cranes and Hoist etc.
- Maintenance, Operation, Testing, Troubleshooting, Monitoring, of all Plant Electrical Equipment such as MCC, HV Switchgears, Transformers, Motors, Generators, Excitation System, Protection Relays, VFD, Ups, Dc Battery Chargers & Batteries, etc.
- Troubleshooting, maintenance and design review of 11kV, 6.3kV, 0.4kV systems.
- Responsible for regular inspection and preventive maintenance of 500KV, 11kV, 6.3kV, 0.4kV systems.
- Responsible to supervise Manpower during Installing & Testing Activities
- Conduct Job Safety Analysis (JSA) for Routine and Non-Routine jobs.
- Perform all the Documentation, Report Writing, Inventory Management, Critical Spare parts listing, Checks Sheets, and Maintenance Procedure etc.

III. Worked as Internee in 1*2.6 MW Machai hydro power plant Alo, Mardan (Hydro TechPak (PTV.) LTD.) (June 2020 – October 2020)

- Power house Knowledge.
- Get familiar with hydro power plant.
- Get familiar with Operation of generator and maintenance of plant Equipment.
- Work and operation of Power transformer, Current Transformers (CTs) and Potential Transformers (PTs).
- Working of different kind of Relays.
- Working and operation of Circuit Breakers and Isolators.

IV. Worked as Internee at Peshawar Electric Supply Company | Peshawar (October 2019 –December 2019).

- Gaining knowledge of Grid station,
- Work and operation of Power Transformer , CTs and PTs,
- Work and operation of Differential Relay, Impedance Relay.
- Working and operation of Circuit Breakers and Isolators.

Education

B.Sc in Electrical (power) Engineering (2016-2020)

- University of Engineering & Technology, Peshawar Mardan Campus
CGPA 3.28/4.00

HSSC Pre-Engineering (2014-2016)

- Government post graduate college Mardan
Marks 839/1100

SSC Science (2008-2010)

- Al-Khair Model High School Katlang (Mardan)
Marks 859/1100

Professional Skills

- Electrical AutoCAD Drafting.
- Electrical AutoCAD Infinite Skills (Course).
- MATLAB/Simulink.
- MS office (Power point, Excel and Word).
- NI Multisim.

Courses

- Certificate of AutoCAD Electrical For Udemy.
- AutoCAD Infinite Skills.
- Certificate of IOT (internet of thing)
- Electrical Power System.