

# Electrical Technician

**Zeeshan Abid**



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## Qualification

**DAE (Electrical) :** Oxford Polytechnique Institute Sheikhpura- 2013

**Matriculation :** Govt. Tariq High School Sheikhpura- 2010

**Diploma (Electrician)** (TTI) Technical Training Institute Mughal Pura Lahore

## Hub Power Company Limited (HUBCO) 2024~continue

Having commenced my tenure at Hubco Power Plant on February 2, 2024, I bring a wealth of experience and expertise to the realm of power generation. Throughout my time at Hubco, I've demonstrated proficiency in optimizing operational processes, ensuring adherence to stringent safety standards, and effectively managing maintenance activities. Committed to driving continuous improvement initiatives and contributing to the sustained success of Hubco Power Plant.

Currently, I am working in RFO Furnace oil to steam power House in Hubco Power Plant as senior Electrical Technician. Separation and reintegration of electrical equipment, My responsibilities include performing PM, CM and Start-up, synchronize, load and unload electrical generators. Perform periodic rounds of inspection for the power plant, checking for the proper function of equipment. Test and maintain boiler water chemistry as prescribed by the plant chemist guidelines and testing of electrical equipment's, Furnace oil to steam Generators, (Transformers up to 220MVA), switchgears HV/MV/ LV up to 33KV, Capacitor banks and overhead cranes (morris) 45).

## 10 Year Work Experience (Atlas Hoda Limited)

Over a decade at Atlas Honda Limited, I specialized in: Swift diagnosis and resolution of electrical faults, minimizing downtime. Implementing preventive maintenance for heightened equipment reliability. Collaborating on prompt issue resolution within the maintenance team. Installing advanced electrical systems to meet evolving production needs. Strict adherence to safety protocols and electrical codes. Training and guiding junior technicians for team skill development. Contributed significantly to minimizing disruptions and enhancing efficiency in Atlas Honda Limited's electrical systems over the past 10 years.

## Atlas Honda Limited (Pakistan) 2010 ~2024

I am worked in Casting project of Atlas Honda as **Electrical Technician** From (2010 to 2024), isolation and deisolation of electrical equipment's. My responsibilities include performing PM, CM Low & High Pressure Die Casting Mashines card, Madlue, PLC programing and testing of electrical equipment's, UPS AC/DC up to 60 KVA, VSDS Drives ABB, VFD, VFX, Motors LV/MV up to 11KV and overhead cranes (street (5Ton), konecranes (10Ton). working on melting furances.

## (AAL) Atlas Autos Limited (PAKISTAN)

From JUNE 2018 to November 2020, I have worked in AAL, ATLAS AUTOS as Medium Voltage Technician. My Responsibilities were in Switchgear to calculate daily consumption of electricity and fuel. Performing O&M of CUMMINS Generators (Model QSK60G) 1675 KVA, (Model KTA50G3) 1250 KVA and their Switchgears. Attend the daily meetings with other disciplines together with Site Coordinator and HSE regarding the daily jobs and other issues concerning the maintenance and operation activities. Make a daily job report and send it to HSE and Maintenance Supervisor regarding the task being done.

Conduct periodic inspection of Electrical Equipment such as MCC's, MV/HV Switchgears, Transformer's, Distribution Board's, Motors, Battery Bank's, UPS, Receptacles, Lightning Fixtures and Cable Glanding. Responsible for Preventive and Corrective Maintenance of all Electrical Equipment's as per Maintenance schedule such as AC/DC Motors, HVAC System, Instrument Air Compressors, MCC's, Switchgears, Lightning system and Generators. Conduct weekly Test Run of Emergency Generator on Load to ensure the reliability of Engine during Blackout. Responsible of Electrical isolation and de-isolation of MCC's and MV Switchgears. Perform Plant Startups and Shutdowns Independently and with Coordination of Operation and Mechanical Departments. use PPE;s and LOTO

## Technical Skills

### ➤ **Protective Relay:**

Familiar with Operation, Configuration and Testing of static relays for Motors (Omron MY2N, MY4N FLAME RELAY FER-002-1, BC-R15), Generator (CUMMINS Generators (Model QSK60G) 1675 KVA, (Model KTA50G3) 1250 KVA and their Switchgears), For Protection and Automatic Control Capacitors Banks Protections etc.

### ➤ **PLC And Inverter Project:**

Performed 18 Months Project with Japanese LPDC (Low Pressure Die Casting) & HPDC (High Pressure Die Casting) in Electrical. Maintenance Troubleshooting & Machines installation based on Induction and servo Motors, Invertors, PLC, Temperature Control Card, Heater, Cutter Board, Speed Sensor controlled by HMI while Installation, Termination of Power and Control Cables and Electrical Connections.

**Worked with Electrical Team for Desludging, Dehydration, Dielectric, IR, PI, Turn Ratio, DLRO tests.**

### ➤ **132 KV Switchgear:**

Preventive Maintenance, Troubleshooting and Testing of Siemens & ABB upto 145KV CB's (SF6), Isolators, Earth Switch, CT's, PT's and Protective Relays.

### ➤ **LV & MV Switchgears:**

Maintenance, Troubleshooting and Testing of followings Switchgears and Panels of MVSG, MCC & PCC (13.8KV/11KV/6.6KV/3.3KV Vacuum type CB's, Contactors, Magnetic Air Breaker CB's & 380V ACB's). (Cutler Hammer, Schneider Electric)

### ➤ **LV.MV Motors up to 6.6KV**

Preventive Maintenance and Overhauling, Greasing, Meggering, PI, IR & Bearing replacement of Motors up to 1850KW/6.6KV, 150KW/380V. (Amino Press 400

TON, Shinohara Press 300 TON, Komatsu 300,200 TON)



### **UPS (INVERTER)**

Overhauling & Maintenance of 60KVA UPS U.S made (Cyberex). Commissioning of 30 kVA UPS (Inverter) France made (Vertiv) as per running test procedure. Performed power cable loop checking and insulation resistance test for battery and ups system.



### **Fire Detection System**

Maintenance and troubleshooting of simplex 4100+ fire detection panel. Installation and commissioning of simplex 4100ES fire detection panel and installation of new field sensors including smoke detectors, heat detectors and pull stations.



### **PTW (Permit to work procedure)**

I have good knowledge and working experience according to PTW instruction. Have Knowledge of Cold, HOT, Electrical PTW procedure according to HSE standard. Follow Lock-out and Tag-out procedure. I am authorized Permit Receiver in HSE.



### **Skill Improvement Courses**

Co-ordination with GE team for Testing of Electrical Protection Relays of Generator and Transformers. Attend Safety Trainings weekly. Have well knowledge of personal and plant safety, PPE's. Attend first Aid Rescue Training conducted by Punjab Emergency Service 1122.



### **Routine Maintenance**

Conducted scheduled maintenance on electrical systems, including motors, transformers, and switchgear, ensuring continuous and safe operation.



### **Troubleshooting and Repairs**

Identified and resolved electrical malfunctions promptly to minimize equipment downtime and production interruptions.



### **Wiring and Installation**

Proficiently installed and wired electrical components according to blueprints, ensuring compliance with safety standards and regulations.



### **Testing and Inspections**

Conducted thorough testing and inspections to validate the functionality and safety of electrical systems, documenting findings and recommending improvements.



### **Calibration and Adjustment**

Precisely calibrated and adjusted electrical components for optimal performance and efficiency.



### **Upgrades and Modifications**

Implemented upgrades and modifications to existing electrical systems, improving reliability and efficiency.



### **Documentation and Reporting**

Maintained detailed records of maintenance activities, inspections, and repairs, providing comprehensive reports to management.



### **TRANSFORMERS**

Internal and external Protections, Megger testing, IR, PI testing of TTR continuity, winding resistance BDV, DGA, DLRO and OTI, WTI alarm and tripping settings and relay coding.