hafiz

(Electrical Engineer – Electrical /Electronics )

Current Position: Electrical Maintenance & Commissioning Engineer

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**career Summery/Strength & Skills**

An electrical engineer professional having 05 years of professional experience as Electrical maintenance & commissioning engineer & Electrical engineer with sound knowledge of testing & commissioning, maintenance & project management.

**Key Skills:**

**Technical Evaluation🡪**MV/LV Switchgears, Transformers, MV/LV Motors, UPS and DC Chargers.

**Installation, Testing & Commissioning🡪**720KVA generator,Atlas copco air compressor 7.0 bar max, different machines and 3 phase 400V VFDs.

**Plant Maintenance🡪**Planning, Execution, and Preventive/ Predictive maintenance

**Documentation &Drawings🡪**Cable schedules, schematics, Wiring Interconnections, SOPs.

**Software🡪**Electrical workbench, MS office.

**Work Experience**

**Electrical Maintenance& Commissioning Engineer Dec.13 to date**

**Lahore**

**ELECTRICAL SECTION**

* Testing and commissioning of 720 KVA generator.
* Adjustment of AVR and RPM of governor controller of the Generators.
* Testing and commissioning of Air compressor.
* Testing, commissioning &maintenance of different machines by RIZZI, BAUCE and CARTIGLIANO.
* Hands on experience of commissioning of diffusers compressors on water treatment plant.
* Testing and installation of DO controller and sensor at water treatment plant.
* Shifting the diffusers air compressors at idle and work position with respect to DO value.
* Installation and commissioning of poly propylene drum by italprogetti.
* Installation and commissioning of VFDs on electric panels.
* Installation of ACB on LV panels.
* Proficient in reading motor interconnection drawings or control drawings.
* Fundamental Knowledge of **circuit breakers** (MCB, MCCB, VCB, ACB) and its selection.
* As part of maintenance team, **leading** the department with regards to plant inventory management, spare parts management, preventive maintenance planning, local/foreign ordering of equipment to ensure smooth running of plant.
* Currently working with **quality control department** for Implementation of **ISO 9001:2008** for electrical maintenance department.

**INSTRUMENTATION & CONTROL SECTION**

* Knowledge of working of PID.
* Wiring &commissioning of Siemens S7 200 FATEK FBs 60 MA FBs 20 MAPLC.
* Knowledge related to **various Instruments** such as Temperature, Pressure, Level, Thermocouples, and RTDs, Orifice plates, Transmitters of Pressure, Temperature, Flow and control valves, according to P&IDs.
* Complete understanding of **engineering documents** associated with instrumentation such as logics,P&IDs, loop sheets, wiring diagrams, installation details, drawings etc.
* Modification, Operation and Verification of different types of panelTroubleshooting of Induction motor, winding Resistance, Load &No load Ampere, its performance and Bearing checking
* To implement maintenance schedule and supervise breakdown and emergency job.
* Troubleshooting and programming in Different types of invertors (invt, Toshiba)
* Design of Electrical Drawing of building and civil construction work
* To carry out Power Panel Design, commissioning / testing and calculation of different Induction Motors Capacity.

**projects**

**Final Year Project:**

• Concurrent control of industrial machines.

**Small projects:**

• ECG data acquisition and waveform.

• Arithmetic logic unit (ALU) performing binary addition and subtraction using logic gates.

**Qualification**

2013 BSc (Electrical Engineering)

**UCP** university of Central Punjab, Lahore

**TRAININGS**

* **GSM ZTE** training (Nov.12 – Jan.13)
* **Health, safety and firefighting** (2015)
* Certified **Energy Manager** by TEAM (Technology Engineering And Management)

**References**

Will be furnished on demand