

# Nadeem Anwar

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Address: Lahore, Pakistan.

**POSITION** Electrical Power Control & Instrument Engineer

**OBJECTIVE** To become a Good **Electrical Power Control & Instrument Professional** in a concern with the best in bread application and to apply my learning, creativity, teamwork and leadership abilities to create high quality solution.

**SUMMARY OF SKILLS**

- 12 years of experience in century paper & board mills ltd, Pakistan as an instrument , control and power Engineer in trouble shooting and maintenance for gas turbine, dual fuel (diesel & furnace) engine set, H.T transformers , H.T & L.T drives (VFDs), L.T & H.T breakers, L.T & H.T panels, different types of PLCs and DCS panels, Lube oil separators, HFO (high speed furnace oil ) separators, HFO booster system, H.T, L.T motors and utility plants with gas and air compressors.
- Also trouble shooting and maintenance work on steam turbine, coal fired Boilers, diff types of (CVs) control valves and (MVs) motorized valves.
- Trouble shooting maintenance and calibration work on Honeywell transmitters, CVS & MVs.
- Trouble shooting and maintenance work on R.O reverse osmosis water treatment plant
- Technical guidance to maintenance instrument team daily basis to keep the plants run in design capacity without disturbances.
- Provide the engineering solution to chronic plant issues related to instrumentation, control and power system of the plant
- Analyze and identify the root cause for instrument, control and power system problems in running plant and provide remedial solution.
- Excellent problem identification and root cause analyses skill.
- Strong team player with expertise in team leadership and management

**EMPLOYMENT**

**NOV, 2010 to March, 2018 (Cogen-1&2, 40MW Gas Turbine & Wartsila DF Engine Based Power Plant)**

**Century Power Plant (CPBM) Lahore.  
Electrical Automation Power & Control Engineer**

- Provide engineering solution to chronic plant issues related to instrumentation, control and power system of plant
- Perform the control system logic diagram modification and reading.
- Lead for the plant changes which are related to instrumentation, control and power system jobs.

## ACHIEVEMENTS

- Investigate and trouble shoot plant problems equipment failure breakdowns and prepare reports having recommendations for corrective actions to avoid recurrence.
- Participate in root cause analysis and technical investigations for failures in plant and ensure that the same kind of failure is not repeated in plant.

### ***March 2018-Present (Cogen-3, 18MW Coal Based Power Plant)***

- Ensure maximum availability entities and system with minimum down time.
- Provide technical support for run and maintenance of the plants to keep the production as per design without disturbances.
- Support maintenance and operation team for daily activities which required engineering knowledge and assessment.
- Develop maintenance scope of work for instrument, control and power related projects.
- Ensure availability of critical spares and took required action for procurement.
- Plan and establish preventive maintenance frequencies for all instrument, control and power entities as per criticality.
- Participate in reliability and root cause analysis study and implement recommendations timely.
- Enhance employee knowledge by conducting on class room training and review the required job quality profile by assessing their skills.
- Review of P&I diagrams, instruments list and flow charts for projects and daily activities as required.
- Capture lessons learned and best practices related to instrument, control and power scope and share with the team.
- Participate in shutdown activities to execute instrument, control and power jobs.
- Participate in plant start-up modification and commissioning and handed over activities for plant modification and new equipment.
- All activities are carried out in timely, efficient and cost effective manners.

- Lead to field instrument, control, power and commissioning of gas turbine, steam turbine, dual fuel engine, gas compressors, Air compressors, and coal fired Boilers.
- Involved in upgradation of heat recovery system.
- Prepared many modifications for plants.

Before that I worked in century's existing Power plant based on Wartsila DF engines, Kawasaki Gas turbines with HRSGs. Fuel Gas compression system, Coal fired boiler system and Water treatment plant where my responsibilities included to

- Taking care of instrumentations and control systems of Gas turbines, DF engines, Gas compressors and water treatment plant
- Trouble tracing of WECS (Wartsila Engine control system).
- Troubleshooting the Kawasaki gas turbine control systems.
- Troubleshooting the control loops in DCS for HRSGs.
- Taking care of HT, LT power generation and transmission system, Protection Relays and switch gears.
- Installation, calibration and loop checking of the field instruments.
- Maintenance and calibration of the control valves (Pneumatic, servo).
- Maintenance and calibration of Flow Transmitters (electromagnetic, orifice plate), LIT, DPIT and TIT.
- Programming and troubleshooting of Siemens, and Schneider control systems.

EDUCATION

2014 – 2018

Bachelor of science in Electrical technology  
University OF LAHORE

grade (B)

2006 – 2009

DAE (Electrical Technology)  
Sharif Institute of Technology

grade (B)

2006

Matriculation  
B.I.S.E. Lahore

grade (B)

TRAININGS

COMPUTER PROFICIENCY

PERSONAL INFORMATION

- Installation, commissioning and operation of 18MW coal Power Plant
- Installation, PLC Programming, Pre commissioning and operation of Coal fired Boiler.
- Installation, Pre commissioning and operation of WECS on DF Engine.
- Installation, commissioning and operation of Flotech Gas compressor.
- Installation, commissioning and operation of Austcold Gas compressor,

- Five days SIEMENS Technical training
- Five days SIEMENS PLC training

Software: Step7, C++ Programing, Embedded System, MatLab and MS office.

Father Name : ANWAR ALI  
Date of Birth : Jan 10 1991  
Marital status : Married  
Nationality : Pakistani  
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