

## Contact

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## Top Skills

Time Management  
Microsoft Office  
Microsoft Excel

## Languages

Hindi (Full Professional)  
English (Full Professional)  
Urdu (Native or Bilingual)

# Mohammad Shahid

Senior Assistant Manager(Electrical & Instrument) at Aisha Steel Mill  
Pakistan

## Summary

Installation, Testing, Commissioning, Maintenance, Calibration & Troubleshooting of Electrical, Instrumentation & Control equipment/ Systems in Heavy process industries in Steel ,Petrochemical Glass has hand on experience on following system.

- Distributes Control System(D.C.S)
- PLC (Programmable Logic Controller) programming on (SIEMENS S5 Module 100U, 110U, 115U), S7-200,300 and ABB AC-800 PEC
- ABB Drives/VFDS (ACS800 , R8i, R7i, R6i, R5i)
- Melting and Re-heating furnaces Automation.
- HMI
- Encoders/pulse generator
- Hydraulic Servo valves
- Profibus
- Process Control (industrial) Instrumentation.
- Calibration of Temperature measuring sensors (Pt-100, Thermocouple, pressure transducer etc.)
- Networking(design and trouble shooting)
- Maintenance of Motors Control Center(MCC)
- Remote I/O system
- LV&HV Electrical System
- HMD (Hot Metal Detectors).
- AC Drives. &DC Drives makers of different vendors
- Electrical Control System.
- Hydraulic/Lubrication/Pneumatic control system

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## Experience

Aisha Steel Mills Limited  
Senior Engineer(Electrical & Instrumentation)  
September 2013 - Present (7 years 3 months)

As an Electrical/Automation Sr. Engineer lead the team of Technicians and Electrician to perform the all electrical & Instrumentation operation, maintenance and preventive maintenance works and urgent maintenance works during shift to ensure the smooth operation of Re Rolling Mill plant.

## Solb Steel

Shift Engineer Electrical & Instrumentation

February 2012 - May 2013 (1 year 4 months)

KSA

As an Electrical Shift In charge to perform the electrical preventive maintenance works and maintenance works during shift to ensure the smooth RM (Rolling Mill) plant operation which is consists of no. of Horizontal and vertical Stands, Reheating furnace, mill area and finishing area, auxiliary system.

- Supervise the maintenance program as per planning or preventive maintenance.
- During production special monitoring the load and temperature of supply transformers, plan the preventive measures.
- Automation of reheating walking beam furnace where control the temperature in different zone wise.
- Calibration of temperature sensors like Thermo couple and PT-100.
- Optimization the HMI as per plant requirement.
- Attended the ABB drives training conducted by ABB.
- Siemens S7 PLC, control the Rolling mill Horizontal and Vertical Rolling Stands(1 to 16 stands) motor and HMI gives the each stands status and control command
- ABB inverter drives system which controls the speed of stand's motors desired speed.
- Maintain the check list of field sensor before starting a production and also daily basis
- Personally provide technical input and hands-on skills to the resolve of major maintenance problems
- Attended the problem of Roll Shop where CNC & PLC machines are installed.
- Review daily and shifts electrical maintenance work orders and categorize them into corrective or preventive maintenance categories

## Peoples Steel Mills Ltd

Junior Executive III(Electrical & Instrumentation)

December 1999 - November 2008 (9 years)

Karachi

Involve in Supervision of Installation, Testing, Commissioning, and Operation.  
Process Instrument Calibration and fault diagnostic independently in CNC  
(GFM) and PLC(Siemens) based Long Forging Machine, Annealing and  
walking Beam Reheating Furnaces,  
Calibration of Thermocouple as per ISO standard.

SG Fiber

Senior Electronic Technician(Electrical & Instrumentation)

April 1997 - December 1999 (2 years 9 months)

Karachi

SG Fiber is a petrochemical industry which production was polyester fiber/yarn  
and process the fiber like twisting, texturizing, Steaming & Winding.

Involve in Supervision of Installation, Testing, Commissioning, Maintenance &  
Operations of plant on different control system.

DCS

PLC

VFD

DC Drives

PID Controllers

Process instrumentation

Different type of Sensors(level & temperature)

Balochistan Glass Limited

Junior Shift Engineer

October 1995 - March 1997 (1 year 6 months)

BGL produce various types of narrow and wide neck glass containers for soft  
drinks , juices, food, pharmaceuticals and breweries in flint, green & amber.  
involving the maintenance and trouble shooting during production and  
preventive maintenance of plant in IS section, Annealing Coveyor, Fore  
earth, batching processing.

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## Education

NED University of Engineering and Technology

Master of Engineering(Industrial Electronic), Electrical and Electronics Engineering

Sir Syed University of Engineering & Technology (SSUET)  
BS(Electronic Engineering), Electrical and Electronics Engineering

Aligarh Institute of Technology, Karachi  
DAE(Electronic), Electrical/Electronics Maintenance and Repair Technology