

Navin Kumar Sharma

B.Tech in Electronics and Communication Engineering (Batch: 2009-2013)

Total Work Experience: 07 years 02 months

Date of Birth : 8th August, 1989

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OBJECTIVE

Seeking a challenging & enriching career in the domain of electronics engineering with a reputed organization.

TECHANICAL EXPERIENCE

- Working as a Control and Instrumentation Engineer for the **750 MW** units, through **ThyssenKrupp industries India Pvt. Ltd.**, under **TATA Power Company Ltd.**, Trombay Mumbai (MH) from September, 2018 to till date.
- Worked as a Control and Instrumentation Engineer for the **54 MW** units, through **O.E.G India Ltd**, under **OCL India Ltd.**, Rajgangpur, (Odisha) and **Seven Star Steels Ltd.**, Jharsuguda, (Odisha) from March, 2016 to August 2018.
- Worked as an Instrumentation Engineer for the **25 MW** units, through **A.V Power Associates** under **MSP Metallics Ltd.**, Marakuta, Jharsuguda (Odisha) from September, 2013 to February, 2016.

ACADEMIC BACKGROUND

<u>School/College</u>	<u>University/Board</u>
<u>Exam/Degree</u>	<u>%AGE/CGPA</u>

Sundargarh Engineering College, Sundargarh, Odisha	BPUT, Rourkela	B.Tech	7.74
The Assembly of God School, Jharsuguda, Odisha	I.S.C	10+2	51 %
The Assembly of God School, Jharsuguda, Odisha	I.C.S.E	10	62 %

CORE COMPETENCIES

Project and commissioning (Control & Instrumentation)

- Planning & implementing to achieve target on daily basis in projects and preventive, maintenance schedules for improving the overall reliability and safety of plant equipment & machinery.

- Implementing and maintaining all the activities in area of production, maintenance, new facility planning and training as per set standards.
- Preparing annual maintenance schedule calendar & annual action plan for critical breakdown.
- Reviewing history records of key machines for repeated breakdowns to analysis and carrying out necessary corrective action.
- Loop Testing project work done for Boiler and Fan (i.e., PA fan).

WORKING HISTORY

- ❖ Working as a Electrical & Instrumentation Engineer at Tata power company ltd, Mumbai, under ThyssenKrupp Industries India Pvt. Ltd, for Coal logistics plant of 750 MW units of Power plant.
 - Operation and maintenance of CSU (Continuous Screw unloader).
 - PLC (Allen bradelly-RS5000)
 - Stacker cum Reclaimer operation and maintenance.
 - PLC (Honeywell-Compact Logix ML-200; ABB- Compact Logix AC800)
 - Radio modem system (RTU).
 - VFD drive for motor for various make i.e. Siemens, ABB, Emerson.
 - Belt weigh calibration (make- Schenck process and IPA).
 - Various proximity sensor and safety switches.
 - Various Electrical maintenance like Induction motor, Actuator and EOT Hoist.
 - Various types of conveyor like Pipe and Trough conveyor.
- ❖ Worked as a Control and Instrumentation Engineer at OCL India Ltd., Rajgangpur, and Seven Star Steels Ltd. Jharsuguda (Odisha), through O.E.G India ltd. for the 54 MW and 12 MW units of Powerplant.
 - Have gone through the maintenance and operation of Boiler and Turbine safety interlocks.
 - DCS(Invensys-Foxboro), PLC (Allen bradely Micro logix-1400)
 - Calibration of various types of Transmitter like PT, LT, TT, DPT and FT.
 - Calibration of Control valves for Smart type Positioner Make-Siemens and ABB.
 - Calibration of Motorized valves for Auma make.
 - Calibration of various field instruments as mention below on 'Working skill'.
 - Calibration of Oxygen Analyzer (O2).
 - Fly ash handling system operation and maintenance.
- ❖ Worked as an Instrumentation Engineer at MSP Metalics Ltd, Jharsuguda (Odisha) through A.V Power Associates, for the 25 MW units of Power plant.
 - DCS (Yokogawa-CS3000).
 - PLC (RSLogix500).
 - Various Pneumatic actuator.
 - Fly ash handling system operation and maintenance.
 - Calibration of Control valves Analog type Positioner, make- MILS.
 - Installation of Vibration probes.

PROJECT WORK

- PLC (make Allen bradely L55 to L73 model) upgradation Work attended.
- Dust extraction project work attended like motor connection and PLC signal cable termination, loop testing and simulation job done.

- *Successfully completed WHR Boiler project work for commissioning and installing the various instruments with seniors are likes, Transmitters with impulse lines (for flow, level, pressure and temperature), Thermocouples, Controls valves, Motorized valves and various pressure gauges.*
- *P.A. FAN project work done with a project in charge,*

The instruments were installed in P.A fan are ON/OFF Pneumatic cylinder and RPC dampers.

WORKING SKILL

- ❖ *Working knowledge on the **Control & INSTRUMENTATION**, which involves various measurements and controls in power plant i.e. Boiler and Turbine,*
- *DCS (YOKOGAWA CS-3000& INVENSYS) for Boiler and Turbine control parameter.*
- *PLC (Allen bradelly RS Logix5000, micro Logix1400).*
- *HMI (Honeywell and ABB).*
- *VFD Drives Trouble Shooting.*
- *Commissioning of instrument in Electrical systems.*
- *Ash handling System control and operation.*
- *Motorized valves calibrations for Auma and Rotark.*
- *Working knowledge on turbine and boiler interlocks.*
- *Various Safety interlocks like Pull cord, Belt sway, Proximity sensor, ZSS, etc. for Coal handling in thermal power plant.*
- *Belt weight calibration (Schenck process and IPA)*
- *Thermocouple reading and calibration.*
- *Resistance Temperature Detector reading (RTD) and calibration.*
- *Transmitter (i.e., Flow, Level, Pressure and Temperature) reading and calibration.*
- *Control valves calibration (i.e., Smart types **Siemens** and **ABB**, **Mils controls**, and **Mazdaa**).*
- *Various Pressure reading and Various Pressure gauges calibrations.*
- *All types of damper calibrations.*
- *To knowledge of Stack gas monitoring system.*
- *Knowledge of all instrument Solenoid valves, Pressure switch, Limit switch, Level switch repairing and operation.*
- *Air compressor (i.e. Instrument and Service compressor).*

INTERNSHIPSAND TRAINING

- *Rourkela steel plant (SAIL), Rourkela (5 weeks research training, May — June, 2010)*
 - A trainee of **Communication Department**.
- *Major project on “Access controller system LCD based (single user operating system)”.*

MAJORSTRENGTHS

- *Proficient in **MS Office, C, C++, .NET, Operating system** and basic knowledge of **MATLAB software**.*
- *Ability to effectively interact with members at all levels of the organization.*
- *Flexible to different kinds of work environment.*
- *Willingness to learn and work hard.*

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