**UJJWAL MANOJ KUMAR**

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Seeking Middle/Senior level assignments in plant project,Engineering,Erection,testing & Commissioning/ Maintenance Management in Automation, Instrumentation & Control Department with an organization of high repute

**PROFILE SUMMARY**

• A result oriented professional with more than 25 years of experience in Erection & Commissioning, Maintenance Management, Instrumentation & Control, central utility pump houses and water treatment plants/ waste water treatment and water sewage plants, Propane hydrocarbon plant, fire water pump houses,bar mill furnace, DIPplants and their Team Management

• Holds the distinction of being SAP PM Module End User for shutdown planning, preventive maintenance task list updation, etc.

• Adept in software development of various programs related with equipments and planning of data sheet, I/O list, wiring diagram

and its simulation and testing for automation and instrumentation field devices.

• Deft in commissioning, testing and maintenance of Caster/ SMS/BAR Mill Furnace / Express Lab/utility department/ Power plant

/Ductile Iron Plant in STEEL PLANT in electrical automation/ instrumentation area.

• Skilled in overseeing project activities from conceptualization to execution including optimization, project planning,

implementation, site management and manpower planning

• Effective communicator & negotiator with strong analytical, problem solving and organizational abilities

• Maintenance Preventive Maintenance Planning &execution. Inventory and Spares Management Maintenance of L.T.

Equipments and Sub-stations Co-ordination with Statutory Authority. Failure Analysis of Equipments Planning and

Implementing Predictive/Preventive/Shut down Schedules for machinery to increase machine up-time/equipment

reliability. Managing the Functions of Troubleshooting and Preventive/Breakdown maintenance of various Electrical LT and

instrumentation systems.of

• Utilities, and Various other equipments to reduce downtime to minimum, project plans within preset budgets and deadlines

and coordinating projects for the set up facilities Handling techno-commercial operations.

• Preparing maintenance/services schedules, conducting regular calibrations to ensure the performance capacity of various

process control equipments. Instrumentation/ Control/ Industrial Automation Designing Automation & Control Systems

involving logic development, configuration, programming and testing of Human Machine Interface. Coordinating the entire

development including requirement analysis, finalizing specifications, selection of instruments, prototype development and

testing activities. Preparing Technical Drawings/ Wiring Drawings/ Field Termination Charts/ Installation Procedures and

Documents based on the functional specification and site requirements.

• Mentoring a maintenance team to take over the maintenance of the instrumentation and DCS maintenance. Process

Improvement Analyzing various processes / applications and recommending process modifications and equipment

calibrations to enhance operational efficiency.

• Foreseeing performance bottlenecks and taking corrective measures to avoid the same Maintenance and Trouble Shooting

Planning and effecting preventive & predictive maintenance / overhauling / repair schedules of various machineries &

instruments to increase machine up time and long term equipment reliability.

• Proactively identifying areas of obstruction/breakdowns and taking corrective measures / steps to rectify the equipments

through application of trouble shooting tools. Ensuring all the machineries work efficiently by conducting timely checks &

measures. Erection & Commissioning Preparing layouts for the project as per the process and material flow needs.

Foreseeing performance bottlenecks and taking corrective measures to avoid the same.

• providing utility services to the equipments. Designing, implementing and monitoring effective procurement schedules

along with finalizing the specifications of the spare parts & establishing the quality & quantity limits. Technical Skills.

• operation and maintenance. Advanced maintenance management. Interfacing of equipment / electrical distribution system

with DCS, PLC. Implementation of ISO 9000, 14001, OHAS 18001 systems. World Class manufacturing system Energy

monitoring and conservation.

**SKILL SET**

Strategic Planning

Erection & Commissioning

Project Management

Maintenance Instrumentation & Control Inventory Management

Vendor Management Electrical Automation Team Management

**WORK EXPERIENCE Presently designated as Assistant General Manager – Instrumentation & Control I&A dept at Electrosteel integrated Limited Looking after Incharge Instrumentation and Control Department.**

**June 2015- till date**

Aug’10 to Jan’12 Manager - Electrical/ Instrumentation – Bar Mill, Patratu, Jharkhand

Jan’12 to June 2015 Manager - Electrical/ Instrumentation - Central Utility, Angul, Odisha

**Highlights:**

• Played a stellar role in commissioning of:

o Hydraulics/ Lubrication system in Bar Mill

o Servo system hydraulics in Bar Mill.

o Control and loop checking.

o Five stein Furnace control automation and temperature PID control.

o ESP Fan Damper actuator control system.

o Siemens S7-300 system grease system Automation.

o Utility and crane maintenance.

o Fire fighting pump house 1 and 2 at Angul

o LDO and propane system at Angul

o High tension substation at Angul

o BAR mill all media system hydraulics, air oil system, furnace hydraulics, etc. at Patratu

o Wire rod mill furnace area all field instruments and automation related work

o. successful commissioning in water treatment amd make up water plants.

o Testing and Commissioning of Finishing line at Ductile Iron plant at ESL.

**Instrument calibration and trouble shooting.**

**Weigh bridge commisioning and maintenance**

**Boom barrier commissioning and maintenance.**

**As Manager - Electrical/ Instrumentation - Central Utility, Angul, Odisha**

• Handled a team of 20 members and simultaneously worked for commissioning of utility department

• Served as overall In-charge of all electrical/ instrumentation systems of central utility department comprising of 30 members

• Monitored all automation system contract finalization, procurement, vendor selection, erection, testing and commissioning of all

Central Utility projects

• Played a stellar role in engineering/ layout/ equipments/ erection/ commissioning and scope of raw water treatment plant/ HTSS

electrical system

• Ensured effective erection/ testing/ commissioning of pumphouses, SCADA (GE) system, programming for auto system,

Instrumentation system of RWTP, LDO plant and propane plants Siemens system.

• Essayed a key role in finalizing the layout/ equipments/ erection Commissioning and scope of propane station/pump house

electrical system

• Carried out:

o Party finalization for automation/ instrumentation system in new plant

o Commissioning/ maintenance of automation system in central utility department

o Material inventory management

o Breakdown and shutdown maintenance related with central utility department

o Construction power maintenance as per requirement

**As Manager - Electrical/ Instrumentation - SMS Projects, Patratu, Jharkhand**

• Played a stellar role in finalizing the technical specification and scope of 2X200T BOF/ Billet caster electrical & automation part

• Ensured effective preparation of scope list for new caster and BOF shop

• Carried out discussion with vendor with detail specification of equipments

• Essayed a key role in:

o Party finalization for automation system in new plant

o Commissioning/ maintenance of electrical system in Bar Mill

**Aug2006 to Aug2010 with Ispat Industries Limited, Dolvi-Pen-Maharashtra**

**Last designated as Deputy Manager - Electrical/ Instrumentation – Thin Slab Caster Maintenance**

**Highlights:**

• Carried out:

• Shutdown planning and scheduling of works of electrical department maintenance sections.

• Breakdown analysis and making Root Cause Analysis of .major problems.

• Preparation of SOP and SMP for the work procedure.

• Preparation of Maintenance presentation of plant regarding major problems, Inventory management, Utilisation of resources.

o Maintenance and material planning RCA why- why analysis

o Weekly maintenance S/D planning and compliance

o Spare planning for schedule preventive, shutdown and breakdown maintenance

• Served as Analysers for measurement and calibration of CO, CO2 and Oxygen analysis system

• Acknowledged for weighing system maintenance and calibration

• Liaised with end-user and SAP key-user for development work in various SAP transactions for PM & MM modules

• Functioned as Leader of Innovation and IFC Pillar of TPM in department for implementation of various development activities

**PREVIOUS WORK EXPERIENCE**

**Nov’93 to Aug’06 with Tata Steel Ltd., Jamshedpur**

Last designated as Shift In-charge (Electrical and Instrumentation) – LD#2 & SLAB CASTER (Continuous casting plant)

Growth Path: Junior engineer- shift in charge

Highlights:

Process Control Instrumentation:

• Incharge of trouble shooting, maintenance and calibration of pressure,flow, temperature measurement system in different units in LD# 2 and Slab Caster.

• Played a stellar role in troubleshooting, maintenance and calibration of pressure, flow, temperature measurement system as per instrument data sheet and P&I diagrams

• Level measurement, Position measurement, Flow Control Valves,Pressure Control Valves,Servo controllers,Ultrasonic flow and level measurement ( Yokogawa) system,Magnetic flow meters, and their close loop control system,PID loops and interfacing with PLCs.

• Liquid steel temperature measurement system at LF, caster,RH( Auto temp-sample measurement system), and its interfacing with PLC and Level II.

• Analysers - Measurement and calibration of off gas analysis i.e CO, CO2 ,Oxygen,hydrogen measurement.

• Weighing System – weighing system maintenance and calibration in cranes,transfer cars,conveyor system, hoppers, scrap weighing systems of ABB, Philips make.

• Servo controller system – servo controller system maintenance and calibration in hydraulics system. Programmable Logic Controllers ( PLC/DCS):

• TDC-3000 ( Total Distributed Control) Honeywell system, LCN/UCN ,LM,PM based logic control system for different process and Instrumentation.

• Preparation and implementation of logics in PLC and their checking.

• ABB PLC MP-200 system maintenance, and interfacing with different control loops for process and Instrumentation.

• SIEMENS automation/Instrumentation system maintenance

RAC LAB ( Rapid Analysis Centre) or Express Lab :

• XRFS ( X ray fluorescence spectrometer 8680 ARL make), for metallic and non metallic sample analysis. The maintenance and calibration of different element’ s monochromator and Goniometer. Sample transporter system, primary and secondary vacuum system maintenance.

• OES ( Optical Emission spectrometer ) for metallic sample analysis, maintenance and calibration.

• LECO CS-244 ( For carbon/sulphur measurement) CS-444 (For carbon/sulphur measurement)

TC-136 ( O2 and nitrogen measurement) Its maintenance and calibration.

Sample transport system maintenance

• Successful commissioning of the following:

o Liquid metal temperature system in LD#2.

o Argon purging system Forbes Marshall in LF

o Argon purging system in all 6 tundish car in Caster

o Implementation of delay booking system in RMHS JETTY area through SAP

* Inventory control system development for Electrical Department
* Water treatment plant and waster water treatment plant commissioning.

**TRAININGS**

• Two week training/ seminar for operation and maintenance philosophy in BSW at Kehl Steel Plant, Germany on the following:

o Study of operation and maintenance philosophy

o The KEHL Steel plant Layout and steel making procedures

o Planning for S/D and other connected issues

o Inventory management system

o Skill enhancement of people

• TDC-3000 LCN/UCN Maintenance and Implementation (One month training program) in Pune

• Small group activities like QC, Aspire, TQM and TPM

• Just In Time in Department

• Primavera – Project Software

• Siemens PLC S7-300/ 400

• Industrial Instrumentation in Forbes Marshall, Pune

• Gas Analysers (Special Training) conducted by Addage Automation, Mumbai

• Plant Operations and Maintenance in KEHL STEEL Plant Germany

**IT SKILLS**

• Well versed with MS Office (Excel/ Word/ PowerPoint), MS Project, Primavera Project Planner and Internet Applications

**ACADEMIC DETAILS**

BE in Electronics & Communications Engineering from AMIE The institution of engineers (India), India, 1992 - 62%

EPGDM (Executive Post Graduate Diploma in Finance Management) from South Indian Education Society Navi Mumbai, Mumbai,

2008- 2008- 69%(First division)

AITT ( SNTI) - Electronics & Communication – 1990- 81% (First Division)

Matriculation – 1985- 75 % (First Division)

**EXTRAMURAL ENGAGEMENT & ACCOLADE**

• Accredited with various Merit Prize Award given by Institution of Engineers, Jamshedpur

**PERSONAL DETAILS**

Father’s Name – Late Nityanand Das

Category- Gen

Date of Birth: 5th January, 1970

Contact Address: Plot – 347 Co Operative Colony, Bokaro steel city

Languages Known: English, Hindi and Maithili

Manoj Kumar Ujjwal

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