

Raghwendra Kumar Singh

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Career Summary

Experience in the field of Instrumentation / Control System and Vendor development with leading Indian organizations like KRIBHCO, TATA, MATIX, etc. - Exposure of various plants and key processes like Ammonia, GTG, Furnaces, Heaters, Reactors, Hazardous Storage and Handlings, etc. - Engineering, Installation, Commissioning & Maintenance of various Control systems like DCS, PLC, ESD, BMS, HMI followed by reliability reviews, modifications and hardware or software upgrades. - Hands on working with critical control & protection logics like Combustion control, Anti-Surge, Furnace protections, Boiler 3 element control etc. - Hands on work with Smart transmitter (Field Bus, Hart), NDIR Analyzer Flame Scanners, Igniter, Various eddy current sensors like Radial & Axial vibrations, Speed Pickup, Seismic, etc. - Hands on worked with various field instruments like Pressure, Temperature, Flow, Level by Ultrasonic, Displacer, Radar, Magnetic, Coriolis, Orifice meters, Control and shut off valves of Pneumatic, Hydraulic. - Commissioning & Maintenance of Analytical Instruments like SOX, NOX, O₂, CO, PH, GC, HC. - Leading key functions like ISO, RCA, FMEA, PSSR, HAZOP, FAT, SAT. - Erection, Commissioning and Maintenance of UPS systems. - Well familiar with Smart Instrumentations like HART, Profibus, Fieldbus systems.

Career Path

Instrumentation Engineer-PDIL(Contract basis)	March'21-Till Date
Section Head Instrumentation-Phillips Carbon Black Ltd	April'19-Sep'19
Project Manager Automation-Eagle TK InfoTech Limited	April'17-Mar'18
Joint Manager -Instrumentation, Matix Fertilisers & chemical Limited	Aug'15 - Dec'16
Senior Engineer-Instrumentation, RIL (Reliance Industry limited)	Aug'14 – Oct'14
Manager , Tata Steel LTD	Sep'11 - May'14
Sr Associate, Tata Bluescope Steel Limited	Nov'09 - Mar'11
Engineer Instrumentation, Kribhco Shyam Fertilizer Limited	Jun' 06 - Nov' 09

Key Responsibilities

Projects & Development India Limited (Fixed term Contract Basis)

- Erection & Commissioning of Field Instruments.
- Field Engineering work.
- Site acceptance test for control & safety system
- Review Engineering Document.
- Preparation of project specific specification.
- Managing project scope and change control and escalating issues where necessary.

Phillips Carbon Black Ltd

- Preventive, predictive and Breakdown Maintenance planning.
- Reliability study of Instruments.
- Manpower Planning.
- Review of detail engineering drawings as P&ID, Cable Schedule, Hook-up drawing.
- Freezing of Technical specification of equipments as per the tender.
- Vendor selection & order finalization.
- Manpower planning & Training for GET and Technician.
- NFA Creation for material and Service order.

Eagle TK InfoTech Limited

- Involve in Erection and commissioning of PLC for different project.
- Freezing of Technical specification of equipments as per the tender.
- Vendor selection & order finalization.
- Interaction with Consultants & Clients of power projects.
- Managing project scope and change control and escalating issues where necessary.
- Involve in FAT / SAT/ Kick off meeting.
- BOM, Work order creation and finalization for Instrumentation and Automation.
- Selection, Training & Development of new team for project.
- Coordinating with the team to resolve key bottle neck issues.
- Attending technical bid of automation ,Instrumentation system.

Matix Fertilisers & chemical Limited

- Review of detail engineering drawings as P&ID, Cable Schedule, Hook-up drawing.
- Installation & Commissioning of different types of field instruments & analyzers.
- Pre-commissioning of Yokogawa DCS Centum VP Control System.
- Pre-commissioning of Yokogawa ESD System Pro-Safe RS.
- Playing Key role in implementation of SAP PM & MM Module.
- Creation & Finalization of Equipment list, Functional Location, Task List.
- Installation and Commissioning of RADAR & SERVO type level transmitter.
- Involve in HAZOP study.
- In charge for day-to-day, preventive, predictive and breakdown maintenance, and troubleshooting system which involve:
- YOKOGAWA DCS CENTUM CS 3000 & Prosafe Yokogawa PLC & Bentley Nevada 3500 Vibration monitoring system
- Rosemount on-line liquid (pH, conductivity) and gas analyzers (NDIR & thermal conductivity)
- Burner Management System for super heater (John Zink) with Allen Bradley PLC.
- Involved in maintenance & calibration of control valves and different field instruments
- Drafting and maintaining of ISO records, implementation of recommendation pertaining to ISO.
- Spare Planning for Plant Instruments.
- Manpower planning & Training for GET and Technician.
- NFA Creation for material and Service order.

RIL (Reliance Industries Ltd)

- Freezing of Technical specification of equipments as per the tender.
- Involve in FAT and SAT of SCADA system of Honeywell.
- Final inspection during Commissioning of our executed jobs.
- Involve in Erection and commissioning of GAS Analyzer, CTM (Custody transfer meter).
- Making SOP, SMP, and preventive maintenance plan.
- Interaction with Consultants.
- Attending problems at site.
- Commissioning Spare planning.
- Training & Development of new team for maintenance.

Tata steel LTD

- Worked with a team of vendor development to mitigate the single source risk commodity in MRO.
- Member of commodity competence team (CCT) of instrument which help procurement team for price negotiation by giving technical recommendation about the product.
- Assist Head Vendor Management Cell in developing long and short vendor development plan .
- Prepare and report MIS for review.

- Drawing out a clear development plan to help vendors prepare for scaling up, strengthen existing processes and work jointly with the category manager to increase business share in a phased manner.
- Design of vendor evaluation parameters for segmentation .
- Shortlist vendors to be covered under annual Vendor development initiatives.
- Project Manage and escalate progress.
- Making SAP based preventive maintenance plan for field instrument and control system.
- Involve in maintenance of Blast furnace instruments & SCADA system like flow transmitter, RADAR, Level transmitter, Earth thermocouple, of cast house and furnace area .
- In charge for day-to-day, preventive, predictive and breakdown maintenance, and troubleshooting systems which involve:
- Yokogawa CS 3000 and ABB DCS (800 XA), Gas analyzers (YOKOGAWA ANALYSER (IR-200) & Burner Management System for furnace with HIMA PLC.
- Involved in maintenance & calibration of control valves and different field instruments such as pressure, flow, temperature, level transmitters, ultrasonic, RADAR.
- Generating leads in sync with the organization and ensuring set targets are achieved.
- Handling the erection and commissioning of ABB DCS and Pellet plant line Instruments according to the specifications.
- Maintaining SOPs for Safe Access & Positive Isolation of Pellet Plant Instruments.
- Preparing of un-indented spare list for pellet plant instruments.
- Producing safety audit per month as assigned by Safety Department.
- Liaison with, and updates progress to, project steering board/senior management.

Tata BlueScope Steel LTD

- Generating leads in sync with the organization and ensuring set targets are achieved.
- Handling the erection and commissioning of S7 300 & 400 PLC and CCL & MCL line Instruments according to the specifications.
- Maintaining SOPs for Safe Access & Positive Isolation of MCL & Furnace Instruments.
- Preparing of un-indented spare list for all lines, utility instruments.
- Producing safety audit per month as assigned by Safety Department.
- Managing project scope and change control and escalating issues where necessary.

Kribhco Shyam Fertilizer Limited

- In charge for day-to-day, preventive, predictive and breakdown maintenance, and troubleshooting system which involve:
- YOKOGAWA DCS CENTUM CS 3000, ABB MOD 300 / ADVANT DCS & HIMA HRS-51 PLC (ESD system)
- Bentley Nevada 3500 Vibration monitoring system for rotary equipment
- Rosemount on-line liquid (pH, conductivity) and gas analyzers (NDIR & thermal conductivity),
- Burner Management System for super heater (John Zink) with Allen Bradley PLC.
- Involved in maintenance & calibration of control valves and different field instruments such as pressure, flow, temperature, level transmitters of following make: Neles Jamesbury, Gulde, Parcol, MIL, Copes Vulcan, Rosemount, FUJI, ABB, IL, Chemtrol, etc.
- Drafting and maintaining of ISO records, implementation of recommendation pertaining to ISO.
- Responsible for supervision and execution of various day to day jobs.

E d u c a t i o n

Bachelor of Engineering	Year
Electronics and Instrumentation Engineering (marks 65%) <i>National Institute of Science and Technology</i>	2006

Trainings Attended

Study Of Data Acquisition System	<i>Slab Caster - Tata Steel Jamshedpur</i>	1 Month
WII-Cdma Technology	<i>LG Electronics India Pvt.Ltd</i>	1 Month
Yokogawa DCS Centum Cs 3000	<i>Yokogawa India Limited, Bangalore.</i>	1 week
VCB & ACB	<i>SNTI, Jamshedpur</i>	1 week
S7 300 & 400 PLC	<i>Siemens India Ltd, Kolkata</i>	2 Weeks
Smart Transmitter	<i>SNTI, Jamshedpur</i>	1 Week

Personal Details

Date of Birth	<i>19th June, 1985</i>
Marital Status	<i>Married</i>
Languages Known	<i>English, Hindi, Bengali, Punjabi</i>
Nationality	<i>Indian</i>
Permanent Address	<i>Qtr no. J-45, P.O. Sindri, Dhanbad, Jharkhand (Pin – 828122)</i>
Passport Details	<i>U3502454</i>
Personal Interests	<i>Traveling, Table Tennis</i>