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| **ABHINAV KUMAR**  **Instrumentation Engineering/**  **Procurement & Construction Management** |  | | |  | | --- | | **E-MAIL** abhinav4singh@gmail.com  **MOBILE** +91-8969800458, +91-8002085125 / +260-962127336 | |  | |
| **PROFILE SUMMARY**   * A competent professional with **over 14 years** of experience across **Oil & Gas, Steel, Power and Petrochemical** sectors * Proven skills in **Instruments Selection, Data Sheets, Hook-up Drawings, Cable Schedule,** JB Schedule, Instruments Installation Drawing, and Loop Diagrams for Instruments, **AutoCAD Drawing, Instrumentation & Electrical Panels** * Worked on **PLC, DCS, Instruments** (FT, PT, TT), **Panel, Tools, Package Instrument, and Skid** * Expertise in **maintenance and troubleshooting**; administered periodical preventive maintenance schedules of all machinery & equipment and maintained their records from time to time * Skilled in effective **maintenance of DCS, SCADA, PLC Systems**; proven skills in preparation of material indents for all Mechanical & Electrical Spares/Equipment as per the requirement * Highly successful in **implementing safety guidelines** and addressing the issues within the least possible time * Ensured coordination among the team, **coordinated all statutory inspections** pertaining to Mechanical & Electrical as per the schedule and administered department coordination for MIS Reports * Adhered to **Quality Assurance System**, applicable procedures, design basis, applicable design guides/ standards/ specifications as applicable, and calibration as per standards * Expertise in technical and design review of various systems, vendor management, project monitoring, controlling, and execution; participated in various technical, commercial and tender clarification meetings and post contractual evaluation and delay claim analysis * Insightful understanding of Electrical Drawings and Instrument Drawings, P & ID Diagrams * Adept in managing erection & commissioning activities involving resource planning, in-process inspection and co-ordination with internal / external departments * Provided technical direction to subordinates on Fault Finding Diagnoses & Repairs in DCS, PLC & SCADA (ESD/ SSLS (Sequence Shutdown Logic System) Loops including Logic Checking, Online Modifications & Hardware Fault Rectification & Controller Tuning * Assisted Field Operators & Control Room Operators for Start-up & Shutdown of the plant with technical enquiries * Familiar with Company Health, Safety and Environmental (HSE) Policy and a proactive planner with excellent interpersonal, problem solving and analytical skills * Ensured compliance with the safety standards and improving the safety of manpower and equipment * Orchestrated multiple projects/ programs across multiple horizontals and ensured successful completion of the same within budget, schedule and agreed quality * **Accomplished trainings** in Rockwell Automation: Rslogix 5000, Swagelok for Pipe Fittings, MTL(Singapore) for FF Bus Technology and RIL Safe Run Project * Result-driven with skills in creating a **positive culture driven** by passion, perseverance, will power and consistency   **CORE COMPETENCIES**   |  |  |  |  | | --- | --- | --- | --- | | ***Instrumentation Engineering***    ***Commissioning/Pre-commissioning***    ***Project Management*** | ***Maintenance / Troubleshooting***  ***Team Management***  ***Industrial Automation/Control*** | ***Client Relationship Management***  ***Site Management***  ***Process Optimization*** |  | | | | |
| **SOFT SKILLS**  **Analytical**    **Thinker**  **Planner**  **Innovator**  **Communicator**  **Collaborator** | | **EDUCATION**   |  |  | | --- | --- | |  | **BE in Electronics Engineering** from Nagpur University-Pridharshani Collage of Engineering & Architecture, Nagpur, Maharashtra, in 2006 |   **TECHNICAL SKILLS**   * DCS ABB-Freelance and DCS (Yokogawa centum VP) * PLC ABB AC-800F & 800XA Controller and PLC Yokogawa (PROSAFE) * SCADA ABB E-Plant * Pre-commissioning and commissioning activate * Field Instrument and Control System (DCS, PLC) * Electrical MCC, MOTOR, Light & Power System | |
| **CAREER TIMELINE**    **Larsen & Toubro ECC Div., Jamnagar as Instrumentation Engineer**  **ICON Controls Pvt. Ltd., Delhi as Instrumentation Engineer**  **Larsen & Toubro Arabia, KSA as Asst. Manager Instrumentation**  **Chemie Tech LCC, UAE as Sr. E&I Engineer**  **2006 - 2009**  **2009 - 2014**  **2014 - 2017**  **Since 2018** | | | |
| **Z:\Approved_ResDev_Repository\Formats\Visual Resume Formats 2015-16\Icons\workexperience24x24icons.png WORK EXPERIENCE**  **Jan 2018 till date: Chemie Tech LCC, UAE as Sr. E&I Engineer**  **Apr 2014 to Nov 2017: Larsen & Toubro Arabia, KSA as Asst. Manager Instrumentation**  **Sep 2009 to Mar 2014: ICON Controls Pvt. Ltd., Delhi as Instrumentation Engineer**  **Dec 2006 to Aug 2009: Larsen & Toubro ECC Division, Jamnagar as Instrumentation Engineer at Jamnagar Export Refinery Project (JERP) Reliance Plant**  **Key Result Areas:**   * Leading constructions ,pre commissioning and commissioning activities * Spearheading erection & commissioning of E&I Equipment (Transformer, Panels, Motor, Lighting & Power ) * Administering maintenance and troubleshooting of Field Instrument and Control System (DCS, PLC) * Calibrating Field Instruments; ensuring Field Control System Commissioning & diagnosing control system problems * Supervising user screen development on SCADA/HMI along with Fault/Alarms, Events Display, Trending, and History * Designing of Instrumentation (Loop Folder, Loop Drawing, Instruments Selection, Data Sheets, Hook-up Drawings, Cable Schedule, IO List, AutoCAD Drawing) * Steering Procurement and FAT & Commissioning Activities * Managing activities right from the conceptualization stage to the execution, involving finalization of technical specifications, procurement, erection, testing & commissioning, site management, manpower planning * Establishing project review, monitoring and status reporting procedures to accurately report progress of the project to the stakeholders and end user clients * Implementing process measurement & control instrumentation/ services to optimize manufacturing processes * Developing diagrams as per requirement of process operation & client feedback, executing the configuring and testing * Scheduling and planning predictive, preventive maintenance including budgeting and cost control activities * Guiding the processes of design and development, testing and introducing and designing flow control * Executing the review of equipment datasheet, instruments, different analytical instruments, field instruments, and so on   **Highlights:**   * Strong experience in pre commissioning,commissioning, loop checking and system standard check of CPU, Input/ Output Modules, ESB Cable, Network Cable and Power Supply Modules as per FAT / SAT Procedure * Determined testing scenarios and simulation of the control system to test the strategy; performed Pre-FAT, FAT and SAT * Recognized for sharing all the technical issues & problems faced during site operation to the team members and providing suggestion to enhance or improve the system performance * Prepares the technical documentation for instrumentation and systems requisitions and performs the technical evaluations * Provides technical support to Project Group * Optimizes instrument systems ensuring minimal cost and simplification in compliance with the required performance * Prepares specifications for instruments, systems (DCS, ESD, F&G) and installation | | | |
| **PERSONAL DETAILS**  **Date of Birth:** 5th February 1985  **Languages Known:** English, Hindi, Nepali , Marthi others pls. mention  **Address:** #E-6/B Gali No. -4, Pandaw Nagar, New Delhi-110091 (INDIA)  **Permanent Address:** J P Nagar, Ward No. 15, Jogbani, Araria-854328, Bihar | | | |

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| **ANNEXURE – PROJECTS**  **BULK FULE STORAGE DEPOT (Zambia Storage Terminal ,Ministry of Energy Zambia )at Lusaka , Zambia**  EPC contract (Engineering, Procurement & commissioning of Bulk Fuel Storage at Lusaka, Zambia) Engineering, Erection, Installation, Calibration, Testing, Loop checking and Commissioning of various Electrical and Process Control Instrumentation.  **Responsibilities:**   * Review of E&I Diagrams/Drawing; preparation of list of activities, documents & drawings * Review of E&I Scope, Technical Document, Instruments List, Estimation and BOQ, I/ O List and Arrangement Drawings * Review of contract document, drawings, Minutes of Meetings * Installation and commissioning of E&I Equipment * MCC, 630 KVA Transformer * E&I Panels ( MCC, PDB, PLC, Servero, Marshling, FACP, UPS, Battery Bank, EDG AND F&G Panels) * Motor (Flowserve, ABB, WEG) Slow runs, testing * Tank Gauging System (Emerson) * Terminal Management System, Accuload IV, FMC * Lighting and Power Activity * E&I Activity in Metering Skid, TEXAS Oil Field Equipment’s * Instrument Calibrations, Functional test and Loop Check * CCTV Installations & commissioning * Boom Gate System * Lightning System * Preparation of manpower mobilization histograms, tools & equipment mobilization plans * Reviewing contract documents related to scope and obtaining clarity in contract scope from projects and client * Reviewing of all contract related technical documents and coordinate   **VOPAK TEMINAL LESEDI (VTL) Lesdi Terminal at Heidelberg, South Africa**  EPC contract (Engineering, Procurement & commissioning of VOPAK Teminal Lesedi (VTL) at Heidelberg, South Africa) Engineering, Erection, Installation, Calibration, Testing, Loop checking and Commissioning of various Electrical and Process Control Instrumentation.  **Responsibilities:**   * Review of E&I Diagrams/Drawing; preparation of list of activities, documents & drawings * Review of E&I Scope, Technical Document, Instruments List, Estimation and BOQ, I/ O List and Arrangement Drawings * Review of contract document, drawings, Minutes of Meetings * Installation and commissioning of E&I Equipment * 11 KVA Switchgear, 800 KVA Transformer * E&I Panels (PMCC, MCC, MLDB, PDB, PLC, Servero, Marshling, FACP, UPS, Battery Bank, EDG AND F&G Panels) * Motor (Flowserve, ABB, WEG) Slow runs, testing * Tank Gauging System (Emerson) * Terminal Management System, Accuload IV, FMC * Lighting and Power Activity * E&I Activity in Metering Skid, TEXAS Oil Field Equipment’s * C P System in Pipe Line * Instrument Calibrations, Functional test and Loop Check * CCTV Installations & commissioning * Pakscan System, Rotork * Boom Gate System * Weight Bridge System * CMS System * Lightning System * Preparation of manpower mobilization histograms, tools & equipment mobilization plans * Reviewing contract documents related to scope and obtaining clarity in contract scope from projects and client * Reviewing of all contract related technical documents and coordinate   **Quantum Oil Storage & Handling facility at Tema, Ghana**  EPC contract (Engineering, Procurement & commissioning of Quantum Oil Storage & Handling facility at Tema, Ghana) Engineering, Erection, Installation, Calibration, Testing, Loop checking and commissioning of various Electrical and Process Control Instrumentation Jobs  **Responsibility:**   * Review of E&I Diagrams/Drawing; preparation of list of activities, documents & drawings * Review of E&I Scope, Technical Document, Instruments List, Estimation and BOQ, I/ O List and Arrangement Drawings * Review of contract document, drawings, Minutes of Meetings * Installation and commissioning of E&I Equipment * 2000 KVA Transformer * E&I Panels (PMCC, MCC, MLDB, PDB, PLC, Servero, Marshling, FACP, UPS, Battery Bank, EDG AND F&G Panels) * Motor (Flowserve, ABB) Slow runs, testing * Tank Gauging System (EMERSON) * Terminal Management System, EMERSON (Syncade) * Lighting and Power Activity * E&I Activity in Metering Skid, DANIEL * C P System in Pipe Line * Instrument Calibrations, Functional test and Loop Check * Preparation of Manpower mobilization histograms, tools & equipment mobilization plans * Reviewing contract documents related to scope and obtaining clarity in contract scope from projects and client * Reviewing of all contract related technical documents and coordinate   **Midyan Gas Project, Kiyal, KSA / ARAMCO Project -KSA**  EPC contract (Engineering, Procurement & commissioning of Midyan Gas Plant) Engineering, Erection, Installation, Calibration, Testing, Loop checking and commissioning of various Process Control Instrumentation Jobs  **Responsibilities:**   * Review of Instrumentations Diagrams/Drawing; preparation of list of activities, documents & drawings * Review of Instrumentations Scope, Technical Document, Instruments List, Estimation and BOQ, I/ O List and Arrangement Drawings * Review of contract document, drawings, Minutes of Meetings * Installation and commissioning of Instrumentations Equipment * Installation and commissioning of online field instruments * Preparation of Manpower mobilization histograms, tools & equipment mobilization plans * Reviewing contract documents related to scope and obtaining clarity in contract scope from projects and client * Reviewing of all contract related technical documents and co-ordinate   **Polyethylene Plant Train-1, 2, 4–SADARA Project - KSA**  **Responsibilities:**   * Review of Process & Instrumentation Diagrams * Preparation of List of activities, Documents & Drawings * Review of contract document, drawings, Minutes of Meetings * Installation and commissioning of online field instruments * Preparation of Manpower mobilization histograms, tools & equipment mobilization plans * Reviewing contract documents related to scope and obtaining clarity in contract scope from projects and client * Reviewing of all contract related technical documents and co-ordinate with client in resolving technical issues * Preparation of As built drawings. * Preparation of cable schedule, cable routing, junction box location * Erection of various field instruments and panels * Laying of ducts and trays, impulse/ pneumatic piping works. * Cable laying, termination and internal wiring jobs. * Calibration of all types of field instruments, analyzers, indicating instrument etc. * Participate in business meeting with clients, consultants and sub-contractors discussing * Preparation of quality documents * Testing, loop checking and commissioning field instruments, DCS, PLC, ESD   **Sulphur Recovery Unit(SRU) , Road gantry , Rail Gantry , LPG & Polypropylene Bullate, Pump Station and Oil Moving Station (OMS)– HPCL-Mittal Energy Limited -Bhatinda**  **Responsibilities:**   * Scada Development for DCS Yokogawa centum VP DCS for overall System Application development. Graphics development for PCS nodes, Graphic Testing * Tank Gauging System (Emerson) * Honeywell TAS System * Pakscan System, Rotork * Panel Design and System Configuration for Instrumentation Panels * FAT with End Client; process start up along with design & engineering at site * Calibration with Honeywell and Bemax Calibrator for Monitoring Process Control variables, Control Wiring, Loop Testing & commissioning of instrumentation equipment for various vessels and columns   **Small Can Filling Plant (SCFP)- Indian Oil Corporation Limited, Aasoti , Faridabad- Haryana**  **Responsibilities:**   * Commissioning of panels & instruments, which includes Panel loop testing, instrument calibrations & instrument installation * Programming & Scada Development for ABB 800Ax Controller using Freelance Control Builder-F & Digivis Scada as per FDS. * Panel Design and System Configuration for Instrumentation Panels * FAT with End Client; Process Start up along with Design & Engineering at Site * Calibration with Emerson 375 Calibrator for Monitoring Process Control variables, Control Wiring, Loop Testing & commissioning of instrumentation equipment for various tanks     **Biological-Chemical Water Treatment Plant – Visakhapatnam Steel Plant-Vizag.**  **Responsibilities:**   * Commissioning of panels & instruments, which includes Panel loop testing, instrument calibrations & instrument installation * Programming & SCADA Development for ABB PM802F Controller using Freelance Control Builder-F & Digivis SCADA as per FDS; Panel Design and System Configuration for Instrumentation & Electrical Panels * FAT with End Client; Process Start up along with Design & Engineering at Site * Calibration with Honeywell Calibrator for Monitoring Process Control variables, Control Wiring, Loop Testing & commissioning of instrumentation equipment for various vessels and columns     **Jamnagar Export Refinery Projects (JERP) Reliance**  **Responsibilities:**   * Commissioning of panels & instruments, which includes Panel Loop Testing, Instrument Calibrations & Installation * The scope of instruments includes calibration of various types of gauges including pressure gauges, servo gauges * Transmitters, Transducers, and Detectors * Hands-over experience in recently launched ff-field bus technology for field instruments communication with 31.5kbps speed, * Inspect complete loop checking, wiring, continuity, colour coding & Start-up, Process & instrumentation Diagrams (P &IDs) to identify scope of field instrumentation, Fire & Gas instruments installation, Cable lying, Termination, & Loop checking, Evaluate Factory acceptance test (FAT) for Local & Control Panels * Understand “DCS/PLC/SCADA” hardware configuration * Updated document as per the client requirements & following same for Application Software * SCADA Screens Development, Logic Testing, Dynamic Tag Linking * Planning & Billing Works for Instrumentation Units and Documentation Control * Preparation of Schedules like Work ahead Projection, Manpower, Material & P&M * Continuous monitoring of schedules and updating, billing works for subcontractor & client * Prepared package instrument (pump) specification & data sheets |