**ASHUTOSH KUMAR**

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# Instrumentation & Electrical Engineer in Fully automated Cement Plant and MINING company

**CAREER SUMMERY:**

* **B.E.** in Electronics and Communication Engineering from Visvesrayah Technological University, Belgawi, Karnataka, India in 2011.
* **8+ years** in Instrumentation, Automation, Commissioning, Servicing and Preventives, Breakdown and Shutdown Maintenance in Manufacturing Cement Plant and Mining Industry.
* Electrical and Instrumentation Commissioning of full fledged brewery in Ouagadougou, Burkina Faso**.**
* Trained on SAP PM Configurations, Business process and support in Hurray Technologies, Bangalore.
* Successfully Implemented SAP PM Module in Meghalaya Cement Limited.
* Ability in managing Installation, Maintenance, Troubleshooting of Instrument, Machines, Motors etc.
* Documentation, Commissioning and Inspection of equipment as per standards in stipulated time, Conceptualize & formulate control philosophy, Safety inter locks.
* Instruments schedules, Logic diagrams, look schematics, valves & hook-up material list and drawings.
* Extensive experience in maintenance and trouble shooting of: Roto-packer- Make: EEL & Spectrum as well as weighing systems- Make: Transweigh, Shenck.
* Proven capability in maintenance, calibration & optimization of machine/equipment availability.
* Loop checking of Field instruments, Data handling both Digital and Analog Signals.
* Experiences in ABB DCS, PLC(Field Experience), Siemens, Honeywell, Allen Bradly PLCs & VFDs.

**DOMAIN SKILL:**

* PLC (Allen Bradley, Siemens and ABB), DCS (ABB), Field Instrumentation, Maintenance, Troubleshooting, Installation, Commissioning, Erection and Project planning.

**CALIBRATION SKILLS:**

* SFM, SFF, Weigh Feeder, Spectrum and EEL 8 – Spout Roto Packers, Weigh Bridge, Radar Level Sensors, Temperature and Pressure Transmeter, Belt weigher, Elektromag Metal Detector.

**PROFESSIONAL EXPERIENCE: Total: 8 Years and 2 Months**

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| **Musandam Rock LLC (Mining Company)** | **Electronics Engineer (E&I)** | **June 2019 till now** |
| **Sonapur Cement Pvt. Ltd.** | **Engineer E&I** | **March 2016 to June 2019** |
| **Meghalaya Cement Limited** | **Asst. Engineer Instrumentation** | **November 2012 to March 2016** |

**#1: PROJECT**

**Project Name: Stacker/ Reclaimer commissioning Project Description:** Onsite commissioning of safety and control Instruments **Client: Meghalaya Cement Limited**  **Role**: Team Lead **Duration:** From 10/2013 to 02/2014 **Team Size:** 6 **Roles/ Responsibilities:** I successfully completed Stacker/Reclaimer (Avon tech system Pvt. Ltd.) commissioning, Installation at Site for Storage and transportation of Crushed Lime stone. I was responsible for establishing client server network between working stations, controller servers using Lotus Wireless System, Allen Bradley RS Logix 5000 PLC, I/O Panels Erection, Cabling, MCC, Controlling and Sensing Equipment according to engineering Drawings/Documents. ABB ACS 550 V. F. Drives for both stacker/ reclaimer.

**#2: PROJECT**

**Project Name: Brasserie Commissioning Project Description:** Onsite commissioning of Electrical and Instrumentation Devices **Client: LIBS Brasserie Role**: Team Leader **Duration:** From 09/2018 to January 2019 **Team Size:** 11 **Roles/ Responsibilities:** I successfully completed installation and Commissioning of Electrical and Instrumentation devices in different sections of the company LIBS Brasserie at Ouagadougou, Burkinafaso, West Africa. I was responsible for installation, commissioning and Testing of all the Electrical and Instrumentation devices for Braukon Brewing system 120HL, Refcon Chilling System, KHS bottling system and Thermax Boiler system. I was also responsible for training of local Technicians and Engineers for operation and maintenance of Electrical and Instrumentation units.

**WORK EXPERIENCE:**

* Contributing significantly in Installation & Inspection of Instrumentation Related equipment, Panels, Instruments in compliance to Installation; Inspection procedures, ensure Checklist and later relative documentation of the work completed.
* Coordinating project activities including works scheduling to ensure timely completion without any cost and time overrun.
* Developing & executing the best practices & standard operating procedures targeting at organizational excellence; reducing downtime of the plant.
* Calibration and Maintenance of Transmitters (Temperatures, Flow, Pressure) with Hart Communicator; pneumatic Control Valves and Electric Actuators; Pressure Gauges; switches like Pressure, Level &Temperature Switches etc.
* Field instrumentation with Vibration controller & sensor, pressure transmitters, DP transmitters, Temperature transmitters with sensing devices, zero speed monitor with its controller, Level switch &controller, Continuous level monitoring device with accessories, Actuators, Flow control gate.
* Monitoring Devices (Differential pressure switch, Flow switch, Belt sway switch, pressure switch, proximity/limit switch, thermostat, RTD, Photo electric sensor, SOV, pull chord switches, Belt drift switches, position transmitters, hooters, PH meters, Acoustic horn), Gas Analyzers Maintenance, Troubleshooting.
* PLC Panel, I/O Panel, Control Panel erection, Maintenance and troubleshooting, Detector panels, UPS system with Battery banks Maintenance and Troubleshooting. Maintenance and troubleshooting of different types & ratings of Circuit Breakers includes with their Controls.
* Worked for the erection of cable trays according to the GA drawings, studied the power and control cable schedule and was responsible for cable laying.
* Security and surveillance system CCTV, Radio frequency communication and its accessories
* Maintenance and Calibration of various types of field instruments, Maintenance of Grease spray system, Butterfly valves, Dosing valves, diverting gates, dampers and CO & O2 Analyzer. Make: ABB, Siemens and Checking of Solenoid Valves in Pneumatic System.
* Maintenance and troubleshooting of Stacker and Reclaimer based on PLC (Make Allen Bradley SLC 500 for limestone and Siemens S7300 for coal) System, Roto packer. Make: Spectrum & EEL-8 spout.

**COMPUTER SKILLS:**

* Microsoft Power Point, Microsoft Word, Microsoft Excel.

**TRAININGS:**

* Attended SAP training in MCL.
* Attended ISO training in MCL.
* SPI tool training in SCPL.
* SAP PM Configuration and support workshop and training from Hurray Technologies, Bangalore.

**CAREER ACHIEVEMENTS**:

* Conceptualizing & implementing design modifications for optimizing resource utilization; maximizing productivity; adapting systems for streamlining operations to enhance operational efficiency.

**PERSONAL ACHIEVMENTS:**

* Participated in many cricket tournaments and won many “Man of the Match/ Series” awards, trophy for School, College and Company.

**PERSONAL DETAILS:**

DATE OF BIRTH : 26th December 1984

LANGUAGE SKILLS. : English, Hindi, Urdu

MARTIAL STATUS : Married

**Signature:**

**Ashutosh Kumar**