**RESUME**

SISIRA KUMAR DALAI Contact no: +917381043064

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**PROFESSIONAL SUMMERY**

* A dynamic professional with 7.7 years of rich Domestic experience in the field of Electrical & Instrumentation at Project, commissioning and Maintenance of Recovery Coke Oven plant.
* To upgrade my knowledge and skills in efficient and logical way in an innovative platform in accordance with the latest trends to enable myself and the organization to reach higher goals.
* Effective interpersonal & communication skills with strong analytical, problem solving &organizational ability.

**WORK EXPERIENCE**

* Presently engaged as **ASST. ENGINEER-** **ELECTRICAL & INSTRUMENT** for Project, Commissioning & Maintenance of Recovery **COKE OVEN PLANT** of **CHINA TECHNOLOGY** with **JINDAL STEEL & POWER LIMITED** at **ANGUL, ODISHA** from **Jan 2016 to till.**
* Previously engaged as **Shift-in charge for Electrical Maintenance (COKE OVEN)** plant for Project, Commissioning having total capacity of **1 MTPA (Non-Recovery) COKE OVEN PLANT** with 4 Batteries of **CHINA TECHNOLOGY,** with **SRG Earth Resources Pvt. Ltd.** under **ELECTROSTEEL STEELS LIMITED** at **BOKARO STEEL CITY, JHARKHAND** from **Feb 2012 to Jan 2016.**

**RESPONSIBILITY**

* Involvement in testing of Distribution Transformers both DRY TYPE and OIL TYPE (2 MVA) includes (Voltage/Turn Ratio Test, IR & PI Value Test, Magnetic Core Balance Test, Vector Group Test, Magnetic Current Test) and Open/Short circuit test.
* Troubleshooting, Installation, Maintenance of 415 V LV panel like PCC, PDB, MCC (DOL, RDOL,2 DOL-CV,DOL-2M,RDOL-2M,spam relay ) and LV motor unto 130 KW.
* Troubleshooting, Maintenance & Testing(CRM,CTC timing, relay tripping timing, CT ratio testing) of HT breakers up to 4000 Amps (vcu,vcb,Acb)

* HT relay settings on a pc connected point-to-point to the sepam front panel: to load, unload and modify sepam protection and parameter settings like(under voltage, over voltage, phase over current, thermal over-load , earth fault, start per hour etc.) and to obtain all measurements and useful information during commissioning & during operation
* Commissioning, Testing and Maintenance the moving machine (Pusher car, Charging car, Coke Transfer Car/Guide Car, Quenching Cars) both electrical & instrument side and automation side which is fully integrated with Siemens Automation PLC.
* Commissioning ,testing & Maintenance the drive, reforming the drive and download the parameters from driver window of (ACS800), Micro Master 440
* Having good knowledge on Siemens PLC Logic modification in LADDER as for factory demand.
* Establishing the redundancy between the two S7-400 PLC (master and slave) and download the Hardware and Program logic in S7-400,300,200 PLC.
* Having good knowledge on Siemens configuration Setting and Logic modification in LADDER.
* Troubleshooting of real time problems in conveyors & feeder during breakdown & finding solution for the problem related.
* Installation & troubleshooting of conveyers feeders like weigh feeder, belt scale, belt watch feeder(pull-cord, belt sway),scope coupling,ZSS for Installation & troubleshooting of ILMS(magnetic separator),coal & coke sampler.
* Commissioning and testing the all conveyor unit through S7-400 PLC both LOCAL and REMOTE with proper interlock between both conveyors.
* Installation, troubleshooting, Load calibration & Drop test of Weigh-feeder & Belt-scale (Scheck process )
* Commissioning, Testing and Troubleshooting of all the instrument and Machineries from PCC, MCC and PLC panel side control and power wiring termination.
* Troubleshooting and Maintenance of instrument like transmitters like Level Transmitter, Pressure Transmitter, Flow Transmitter and Thermocouples, RTD, Proximity sensors, Lever limit switches.
* Commissioning and wiring the MOV (motor operated Valve) in local mode from LCP and auto mode form DCS control room.
* Maintenance and Designing of Electrical System termination and wiring of individual motors for both control and power with interlock**,** finding fault currents and maintaining the motors, synchronizing of induction motors machineries of different rating
* Implementing maintenance schedules, carrying out periodic checks to ensure performance of various equipment and maintaining requisite documents for the same.
* Planning and implementation of modification, development activities to achieve better quality and productivity.

**ACADEMIC CREDENTIALS**

* B.Tech(Electrical Engineering) BijuPatnaik University of Technology,2010 with CGPA 6.59 out of 10

**INDUSTRIAL TRAINING AND COURSES**

* Post Graduation Diploma in **Industrial Automation System Design** at **Department of Electronics and Accreditation of Computer Classes, Calicut, Kerala**.

**PERSONAL DETAILS**

* Date of Birth : May 09, 1988
* Gender : Male
* Nationality : Indian
* Marital Status : Married
* Known Languages : English, Odia and Hindi

**DECLARATION**

I SISIRA KUMAR DALAI, do hereby declare that the particulars given above are true to the best of my knowledge and belief.

Date: SISIRA KUMAR DALAI

Place: ANGUL