**SUDEEP BAG**

**Contact:** +91 8777594258, +91 9204950741 **Email:** sudeepbag@yahoo.com **Date of Birth:** 2nd March, 1976

**PROJECT MANAGEMENT/ OPERATIONS & MAINTENANCE – ELECTRICAL, INSTRUMENTATION & CONTROL**



***Offering 24 years of cross-functional experience****; seeking managerial level assignment across the industry* **SUMMARY OF SKILLS**



* Technically competent professional with rich experience across **Project Management,** **Installation, Testing & Commissioning, Documentation, Techno-Commercial Operations, Technical Support, Safety and Team Management**.
* Proven ability of **Plant Maintenance** to reduce downtime and enhancing effectiveness of electrical & instrumentation equipment.
* Expertise in **planning and implementing predictive & preventive maintenance schedules for various equipment/ lines to increase machine up time** & equipment reliability. Implementing maintenance schedules and carrying out periodic checks to ensure performance of equipment and maintaining requisite documents for the same.
* Proficient in **drawing well-balanced conclusions whilst dealing with complex operations and maintenance issues** and interpreting procedures and guidelines in order to resolve them.
* Ensuring implementation of **safe operating procedures** and **standard maintenance practices** to create accident free environment.
* Planning and undertaking **scheduled maintenance**, responding to breakdowns, **diagnosing faults**, supervising engineering and technical staff, managing budgets and ensuring compliance with occupational health and safety legislation.
* Identifying **scope for modifications** in equipment, process flow, work practices, consumables, power, etc. for controlling & reducing conversion cost per unit produced.
* Executing cost saving techniques/ measures and modifying the system as & when necessary to achieve substantial reduction in **O&M expenditure**

**TECHNICAL SKILLS**

* Maintained integrated **Steel plants** comprising of Blast furnace, SMS, Rolling Mill, Power plant **25 MW & 3MW CPP**, utilities like DG sets, Air Compressors, Centralised chilling plant, AHU, Split Ac’s, Water treatment plant, Cooling towers, Steam boilers, 1000sm3 Oxygen Plant and PSA nitrogen plant, Air Compressors, **Substations 132/33KV (LILO), 11KV, 6.6KV**, Plant Illumination, Area lighting, Earthing & Lightning protection.
* Maintained Power distribution systems, Like Ring Mains Unit **(RMU)** PCC, MCC’s, Power Transformers up to 55 MVA, Indoor SF6 Circuit Breakers, Outdoor VCB, ACB, Control & Relay Panels,
* Maintained **Arc Furnace Transformers** 16MVA, HT Motors (3.3kV, 6.6kV) ,LT Motors, Motor Starter Panels ,**EOT Cranes** , Hydraulic Truck unloader, Weigh Bridges, Fume Exhaust Systems**, ESP’s** & Bag Filters, Pneumatic conveying systems.
* Well versed in operation & Maintenance of DG Sets, **Synchronisation and parallel operation** of unequal kVa DG Sets with **Woodward EGCP-2,** Woodward LS4, **AMF Panels**, and **Grid synchronisation**.
* Maintained **Hazardous chemical plant**, Tank Farms, Chemical Reactors, Heat Exchangers, Automatic Filling machines**, Flame Proof equipment and Intrinsically Safe instruments** as per Zone classifications, **Thermic Fluid heaters, Vacuum Pumps, Distillation Columns**, ETP, WTP and Lab instruments.
* Well versed with instrumentation in Boiler, Turbine, Generator Control **(BTG)**, Temperature control, Pressure Control, Flow control and Level Control. Hydraulic & pneumatic systems
* Honed expertise in field devices like proximity sensors, switches, Transducers, PLG, Encoders, Smart Transmitters, PID controllers, Current to Pneumatic (I/P) Converter, flow meters, Control valves, solenoid valves and actuators.
* Demonstrated skills in **Calibration** & Setting of Pressure Gauges, Pressure Switches, Temperature switches, Temperature gauges, Temperature sensors, Bench Calibration of Transmitters, Control valves & Flow meters.
* Experience in troubleshooting and fault-finding’s of electrical control systems interfaced with **PLC`s and SCADA** Hand on experience on PLC`s of **Siemens S-7 200, 300 & 400series, PCS-7,** **WINCC 2000**, Programming with **Ladder Logic ,STL language**, Modification of Logic as per process requirement ,Total Integration Automation **(TIA)** and hook up of PLC with **Profibus DP**
* Programming & maintenance of **AC Drives, DC Drives**, Converter Panels, LT & HT **Soft Starters.**
* Gained exposure in **CBM** techniques like **Vibration Monitoring** & Analysis, Bearing Condition Monitoring, **Thermography & Thermal imaging** of Electrical Substations and Electrical joints, OIL analysis like Viscosity and Wear Debris analysis. Hands-on experience in Instruments like IRD Vibration meter, **PL-31** machine analyser along with MIMIC 2001 software, Shock pulse meter and Ultrasonic Thickness tester.

**Core Competencies**

* Strategic Management ♦ Installation & Commissioning ♦ Preventive/ Planned Maintenance ♦ Safety Operations ♦ Technology Integration ♦ General Administration ♦ Coordination ♦ Analytical Skills ♦ Fault Analysis ♦ Troubleshooting ♦ Snag Rectifications ♦ Analysis of Faults ♦ Carrying out Inspection ♦ Testing



**PROFESSIONAL EXPERIENCE**

**L&T Construction Apr’13 – Till Date**

**Manager Electrical**

**BECPROJECTS LTD. BHILAI, CHHATTISGARH, SITE: NMDC, NAGARNAR, JAGDALPUR C.G. Mar’12 – Apr’13**

**Manager Electrical**

**EURO PRATIK ISPAT PVT. LTD., RAIPUR, CHATTISHGARH Jun’09 – Feb’12**

**Manager Maintenance (E&I) HOD**

**TATA MOTORS LTD, SINGUR, WEST BENGAL Aug’08 - May’09**

**Assistant Manager – Maintenance**

**WACKER METROARK CHEMICALS PVT. LTD., WEST BENGAL Jul’01 - Jul’08**

**Assistant Manager Maintenance (E & I)**

**USHA MARTIN INDUSTRIES LTD., GAMHARIA, JAMSHEDPUR, JHARKAND Oct’96 - Jun’01**

**Engineer Maintenance (E&I)**



**CARRIER HIGHLIGHTS**

* Implementation of TPM ,TQM at M/s UMIL
* Achieving Zero Downtime by Implementation of Condition Based Maintenance Techniques at M/s UMIL
* Momentary Synchronising of DG sets with grid to transfer load from DG to grid to reduce interruption due to power outages eliminating production loss and downtime at M/s WMC Pvt Ltd.
* Constructed & Commissioned Continuous Annealing& Processing Line Mill (CAPL) at Tata Steel, Jamshedpur
* Constructed & Commissioned Coke Oven Gas Desulphurisation (COGD) Plant at Tata Steel, Jamshedpur
* Constructed 2.8 MTPA Blast Furnace at Bhilai Steel Plant (SAIL)
* Commissioned Sinter plant project at TATA Steel Kalinganagar, Odhisa.
* Constructed and commissioned 12 Nos MLIP Scheme, 90Km Transmission Line & Transmission Towers, 3 Nos of MSDSS. 33/6.6kV. Client: Ministry of Water Resource Govt .of Odhisa.



**EDUCATIONAL CREDENTIALS**

**Diploma in Electrical Engineering, 1996**

Jalpaiguri Polytechnic Institute, Jalpaiguri **Languages Known:** English, Hindi and Bengal



**Permanent Address:** 57E, Dr. A. K. Paul Road, Behala, Kolkata - 700034

**References:** Available on Request