



SUBHENDU BHAKTA

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SUMMARY

Senior Executive Engineer with extensive experience in project management (Green Field & Brown Field), process improvement, maintenance and compliance monitoring. Proven track record in enhancing quality, production efficiency, increasing productivity, and reducing downtime. Expertise in Planning (both Production and Maintenance), Technical communication, and vendor relationship management. Adept at leading teams through audits and training programs while maintaining high standards of workplace safety and health compliance.

Career goal: To leverage technical skills and leadership qualities to drive continuous improvement in a dynamic engineering environment.

EXPERIENCE **Senior Engineer (Project & Maintenance)**, 08/2023 – Current **IFB Industries Steel Division**, Hooghly

Plant and Machinery Management:

Oversee the selection, procurement, and deployment of plant and machinery for constr. projects.

Developed and implemented an efficient plant and machinery schedule to meet project timelines and operational needs.

Ensured all equipment is available and operational for construction activities, minimizing downtime and delays.

Established and maintained systems for tracking plant usage, including maintenance records and performance monitoring.

Maintenance and Repair:

Developed and implemented a preventive maintenance program for all mechanical equipment and machinery.

Monitored machinery performance to identify potential issues before they lead to equipment failure.

Overseen the repair and servicing of plant and machinery to ensure that all equipment is in optimal working condition.

Managed a team of mechanics and technicians to carry out repairs, troubleshooting, and routine maintenance tasks.

Ensured that all mechanical equipment is compliant with manufacturer specificness and safety standards.

Safety and Compliance:

Ensured that all plant and machinery are compliant with safety regulations, including environmental and health guidelines. Conducted regular safety inspections and audits of machinery and equipment to identify hazards and implement corrective actions.

Developed and enforced safety protocols (LOTO, TBT, Mock Drill) for the operation, maintenance, and storage of plant and machinery.

Cost Management and Budgeting:

Developed and managed the budget for plant and machinery procurement, maintenance, and repair.

Monitored and controlled the costs related to the operation and upkeep of plant and machinery to keep them within budget.

Track and report on machinery-related expenses, including fuel consumption, maintenance, parts, and labor costs.

Identified opportunities for cost savings through improved efficiency and better equipment utilization.

Team Leadership and Management:

Set clear performance goals for the team and monitor progress to ensure objectives are met.

Lead and manage a team of mechanical engineers, operators, and technicians in the effective operation and maintenance of plant and machinery.

Provided ongoing training and development for staff to enhance their skills and ensure they stay up-to-date with new technologies and safety protocols.

Promoted teamwork and foster a collaborative work environment to achieve operational goals.

Equipment Procurement and Logistics:

Coordinate with project managers and procurement teams to acquire new machinery and equipment as required by construction projects.

Ensured the timely delivery and mobilization of equipment to various construction sites.

Overseen the inventory management of parts, tools, and spare parts for machinery maintenance and repair.

Evaluated the need for renting or leasing additional equipment based on project requirements and cost analysis.

Technical Support and Troubleshooting:

Provided technical expertise and support to resolve mechanical issues and challenges encountered by machinery operators.

Overseen the troubleshooting and diagnostics of mechanical failures to minimize downtime and maintain project timelines.

Collaborate with other departments, such as engineering and procurement, to ensure seamless operations of plant and machinery.

Performance Reporting and Documentation:

Prepared and maintained detailed reports on machinery usage, maintenance, costs, and operational performance.

Provided regular updates to senior management on the status of plant and machinery, including any issues, repairs, or procurement needs.

Maintained records of all machinery inspections, maintenance, repairs, and compliance checks for audit purposes.

Executive Engineer, 09/2022 - 07/2023

Key Responsibilities:

- Machinery Maintenance & Repair activities.
- Team leadership & manpower management.
- Technical support and troubleshooting.

Celex Technologies Pvt Ltd, Kolkata

Engineer, 06/2021 - 08/2022

Key Responsibilities:

- Designed and developed new machines and reverse engineering on numerous critical engineering parts and components for Steel Plants, Refineries, Power Plants etc for better reliability.
- Done complete repairing/ reconditioning jobs for Mechanical Spares, Cylinders, Piston Rods, Shafts, Babbitt Bearings, Impellers, and various Rolls for Flat product Rolling Mills etc.

Automotives India, Howrah

Engineer, 08/2016 - 05/2021

Key Responsibilities:

- Managed budgets, production schedules and stock ordering to promote administration tasks, maintain consistent inventory and manage costs and expenditures.
- Mentored a team of engineers, guiding them through complex project phases and encouraging professional growth.
- Carried out varied parts and system repairs, services and restorations with faultless results.
- Provided technical advice to non-technical audiences through charts, graphs and presentations.

IL&FS Skills Dev. Corp. Ltd., Kolkata

- Maintained up-to-date knowledge of industry best practices to incorporate into training programs
- Solved engineering issues using mechanical, electrical and hydraulic principles.
- Promoted a feedback culture, encouraging constructive criticism to drive continuous improvement in training delivery.
- Set up and maintained virtual training portals, enabling accessible resources.
- Monitored industry changes and adapted training to reflect trends and updates.

Graduate Engineer Trainee, 07/2014 - 07/2016

Key Responsibilities:

- Completed tasks efficiently and timely, as instructed by engineering managers.
- Contributed to the improvement of existing engineering processes, suggesting innovative approaches to enhance efficiency.
- Engaged in continuous professional development activities, attending workshops and seminars to stay abreast of technological advancements.
- Reviewed engineering documentation and manuals to verify compliance with regulatory standards and safety protocols.
- Worked with production engineers to update documentation in line with production techniques.

Ankit Metal & Power Ltd., Bankura

- Assisted in the preparation of technical reports and presentations, enhancing project communication and understanding.
- Assisted senior engineers in planning and implementing complex project solutions, improving efficiency and productivity.
- Documented system changes and new installations for detailed tracking and future maintenance reviews.
- Reported on issues and assessment findings, helping senior staff manage engineering design and deployment.
- Shadowed senior staff members and asked questions to advance engineering knowledge.

SKILLS

- Plant and Machinery Management
- Production planning
- Maintenance Planning
- Machine Maintenance
- Hydraulics, Pneumatics
- MTTR, MTBF maintain
- FMEA, Breakdown analysis
- Lean Manufacturing tools
- 5S, TPM, KAIZEN, KANBAN, JIT
- SAP PP & PM
- Vendor Selection & RM procurement
- Technical communication
- Equipment testing
- Manpower Management
- Process Improvement
- Workplace safety, LOTO technique
- Environmental impact assessments
- Health and safety compliance
- Safety report & Audit, knowledge
- Accident report/analysis

EDUCATION

WBUT, Bankura, WB

BTech: Mechanical Engineering

- Engineering Graduate
- Dissertation in Mechanical Maintenance, Production, Industrial Safety.

LANGUAGES

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| Hindi: | C2 | English: | C1 |
| Proficient | | | Advanced |
| Bengali: | C2 | | |
| Native | | | |

CERTIFICATIONS

- Completed **Advanced Diploma in Industrial Safety** from SPCWB, under **WBSCTE**.
- Completed 36 days training on **Preventive Maintenance of Diesel Electric Locomotives** from **DLS-KGP-SER**.
- Completed 30 days training on **Preventive and Breakdown Maintenance of Diesel and Petrol cars**, mostly Four-wheel.
- Completed 60 days training on **CATIA V5** from **Cetpa Infotech Pvt Ltd**, Lucknow, UP.
- Completed 30 days training on ANSYS from **MSME Kolkata**.
- Completed 30 days training on CAD/CAM using CREO from **MSME Kolkata**.

PERSONAL INFORMATION

Date of birth: 24/01/1992

Nationality: INDIAN

Gender: MALE

ACCOMPLISHMENTS AND AWARDS

- Successfully executed project work for 4Hi CRM automation with Fuji Electric & GEMCO, increasing productivity and mill speed from 1800MT to 2500MT and 200 MPM to 350MPM.
- Planned and coordinated UDAAN project resulting in increased safety, operational excellence, TPH, Zero defects.
- Updated and implemented safety policies for continued company compliance with **EHS** guidelines. Technique used LOTO,
- Streamlined workflow by consolidating lengthy processes and redundant documentation that resulted in more effective and timely completion of **cold rolling process**.
- Implemented Lean manufacturing techniques such as 5S, TPM, KAIZEN, KANBAN resulting clean and sustainable work area.

PROJECTS

- Tool design for Burr removal in Drilling process.
- Bucket Strainer modification for JUSCO, Jamshedpur.
- Manufacture of Hydraulic crusher for ECL Haldia.
- DCDV valve for TSLPL, Jamshedpur.
- Manufacture of CMM Machine for Aditya Birla Insulator, Rishra.
- Automation of Cold Rolling Mill, & Skin Pass Mill in collaboration with FUJI Electric JAPAN.
- New Installation of Bell Annealing Furnace.