

CURRICULUM VIATE

Bikash Kumar Sahoo

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10 years of experience in Project management for O&M of thermal power plant of capacity (9X135) MW in **NTPC GE powerservices** Ltd, for Vedanta CPP Jharsuguda.

PROFILE

- Equipped with the knowledge of various technical aspects of the subject-line related to **COH & AOH of Thermal Power Plant, Maintenance service activities of Boiler & BOP & Turbine.**

Keen planner with strong record of overhauling projects within stipulated timelines. Acknowledged team leader, trainer, and motivator with well-honed analytical and troubleshooting skills.

- Proven expertise in implementation of planned, preventive & predictive maintenance practices to optimize machines availability with constant endeavors to realize ZERO downtime.
- Adopt at designing & implementing quality systems and procedures to ensure strict adherence to quality parameters. Excellent man-management, time management, leadership skills.

Core Competencies

Maintenance management • Planning & Scheduling • Technical Support • Cross Functional Coordination • Procurement • Crisis Management.

EXPERIENCE DETAILS.

Company- Korea engineering power corporation. **Period-** (03.01.2014- 30.07.2021).

NTPC & GE Power service. (Period- 01.08.2021 – continuing).

KEY AREA OF EXPERIENCE:

- Overhauling of Boiler pressure part in thermal power plant, Certified Welding Inspector from BHEL Trichy. (Achieved improvement in Boiler heat rate).
- Overhauling of Rotary Air pre Heater. (Achieved improvement in cost optimization for spare).
- BOP area including Raw water treatment, DM plant, Chemical Handling, Firefighting system, wastewater treatment, Cooling tower (IDCT) fan system, CW pumps. Horizontal & vertical pumps.
- Fire pump overhauling and trouble shooting. (HSC type).
- Raw water treatment facility and dosing system.
- DM plant resin replacement and chemical handling.

- Fiber filter maintenance and renovation.
- Waste water treatment plant handling (Lamella flocculation type) & its dosing system.
- Industrial cooling tower maintenance for better maintenance.
- Cooling water pump maintenance.
- Main Turbine & valves overhauling.
- Condenser chemical cleaning preparation.
- Condenser flood test.
- Heat exchanger maintenance.
- HVAC system including as chiller compressor, AHU & ECU maintenance.
- Overhauling of Diesel engines.
- Critical spares availability for assigned area.
- Alternate vendor/ spare parts development for successful operation & procurement for assigned area.
- Compliance 5S for business excellence.

RESPONIBILITES AT VEDANTA ALUMINIUM CAPTIVE POWER PLANT (9*135) MW (SEPCO Boiler)

Maintenance of Boiler (9x135 MW)

- Looking for pressure part of Boiler department with welding inspection.
- Boiler tube leakage reduction.
- NDT examination.
- Scheduling Predictive, Preventive and Breakdown Maintenance of all Boiler & Aux. Equipment's. Rotary part maintenance including Air preheater.
- Proactively identifying areas of obstruction/breakdowns and taking corrective steps to rectify the equipment's through application of troubleshooting tools.
- Attending gland leakage of valves
- Soot blower maintenance & Header NDT examination.

RESPONIBILITES FOR BOP S Y S T E M (9*135MW).

- Wastewater treatment mechanical maintenance.
- Raw water treatment mechanical maintenance.
- Demineralization plant mechanical maintenance.
- Chemical handling & dosing system mechanical maintenance.
- Fire system mechanical maintenance.
- Induced draft cooling tower maintenance.
- Cooling water pump maintenance.
- Firefighting line over ground modification.
- Diesel engine overhauling.
- Maintenance of Chiller compressor, ECU & AHU system.

RESPONSIBILITIES IN TURBINE. (9*135)MW

- Main Turbine overhauling.
- Governing valve and stop valve overhauling.
- Condenser chemical cleaning and flood testing.
- Heat exchanger maintenance.
- Dearator and CST maintenance.

TECHNICAL EXPERTISE

- Material Management & Cost Optimization Planning. (Spares & consumables).
- Repetitive failure, MTTR, MTBF, Breakdown Tracking, Availability Tracking & Planning.
- PM/CM/CBM/RCA/Check List Compliance Monitoring & Planning.
- PM /TASK LIST Frequency as scheduling revision planning.
- Long term planning like Plant and unit overhauling.
- Preparation of monthly operation & maintenance report.

EDUCATIONAL CREDENTIALS

BE, Mechanical Engineering, 2013

Gandhi institute of Technology and Management, BPUT

Diploma Mechanical engineering, 2009

State council for technical education, Odisha.

Board of Secondary Education, 2004

Unit-8 Boys' High School, Bhubaneswar

TECHNICAL TRAINING

- Certified welding inspector from BHEL Trichy.
- Certified scaffolding inspector.
- Inspector for cranes & lifting.

COMPUTER PROFICIENCY

Microsoft Office, Windows, AutoCAD and Internet Applications

ACADEMIC PROJECTS

- "Master CAM" at Central Tool Room and Training Center, Bhubaneswar

EXTRA CURRICULAR ACTIVITIES

- Proactively involved in organizing the "Tech expo" event in Vedanta.
- Volunteered organizing technical talks.

PERSONAL DETAILS

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| Date Of Birth | 29 th May 1989 |
| Gender | MALE |
| Nationality | INDIAN |
| Marital Status | MARRIED |
| Languages Known | ENGLISH HINDI ORIYA |
| Passport details | N3876084 |
| Permanent Address | Bikash Kumar Sahoo. S/o: Prahallad Sahoo. At/po-Bhapur, Dist-Nayagarh. Pin – 752063 |

DECLARATION

I confirm that the above information provided by me is true to the best of my knowledge and belief.

Bikash Kumar Saho

