

ASHISH BADATYA

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Lubumbashi D.R.CONGO

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Career Objective:

Mechanical Engineer seeking a full-time opportunity as a project lead with an established, goal-oriented, purpose-driven organization with scope for career advancement and professional development. Result-oriented Mechanical Engineer with a hands-on approach to tackling projects and accomplishing goals.

Technical Skills

- Preventive Maintenance & Breakdown
- Belt Conveying & Structures (Gantry)
- Knowledge about condition-based monitoring of Rotary equipment.
- Knowledge in SAP of material purchasing and request and preventive maintenance.
- Piping with static and Rotary equipment's in **Copper Hydro metallurgy plant & Copper Tailing leach plant.**
- ASME codes Construction material standard, welding process
- Water treatment plant and sand filtration being used for Gland water system to WARMAN & CURVE slurry pump.

Engineer – Mechanical Shift In-Charge (Operation & Maintenance Engineer)

SOMIKA GROUP S.A.R. L LUBUMBASHI, D.R. CONGO (Jun 2022 to till now)

Site- SOMIKA LUPOTO SMC 50K COPPER & COBALT PROJECT, LUPOTO,

LUBUMBASHI

CRUSHING ,MILLING, HORIZONTAL BELT FILTER, LEACHING, COUNTER CURRENT DECANTATION, DEWATERING, HYDRO MINING, SOLVENT EXTRACTION & ELCTROWINNG ,COBALT PRECIPTATION ,FILTER PRESS, DRYER :

- Handling & scheduling of manpower and Daily log sheet report like daily checklist and tracking preventive maintenance as per scheduling.
- Plant availability above 95% and minimize down time.
- Control the scheduling, planning and execution of routine & major overhaul maintenance work by effective supervision to ensure high plant availability is sustained in order to meet production targets.
- Ensure that sufficient spares are available to service the demands of the maintenance plan and notify management if any shortfall are predicted as a result of external factors, control cost within budget & implement cost saving measures where the can be achieved without detriment to production.
- Improve plant performance by either modification to existing or installations of improved equipment.
- Modification of pipe lines for pumps for easier maintenance
- Participate with the technical departments, technical managers in each division in the planning and evaluation of major maintenance work and overhaul
- Installation of slurry pumps and gland seal pumps and organic solution pumps
- Maintenance of EOT Crane and cathode stripping machine, and thickener drive.
- **Commissioning of cobalt hydroxide plant cobalt precipitation , neutralization, filter press, dryer section.**
- Maintenance of horizontal belt filter like blower maintenance, belt adjustment bed mass thickness maintaining as per process.
- Organize technical training with our co vendors and contractors for smooth operation in plant, conduct training to my sub ordinates and designated supervisors and artisans.
- Inspecting visible failure leadership and conduct safety meetings like confined space and work at height and rotary electrical.
- Coordinating with mines safety department weekly and monthly regarding plant healthy and environment safety.
- Tracking of material requisition as per maintenance spare part demand for smooth operation and achieve our monthly copper target.
- Focusing on root cause analysis if a equipment being gets breakdown frequently & take corrective action steps.

Engineer - Mechanical (Operation & Maintenance Engineer)

African Mechanical Super lift Limited, Zambia (Jan 2018 to May 2022)

KONKOLA COPPER MINES (TAILINGS LEACH PLANT)

LEACHING, WASHING(CCD), SOLVENT EXTRACTION & ELCTROWINNG:

- Fabrication of heavy steel structure. Studying drawing, plans and parameters, Follow-up in surface preparation of raw steel, marking and shape and other measurement on metal.
- Erection of Column supports, Down comers and risers and Spurger related to Pachuca Pre leaching section in TLP(KCM).
- Fabrication and Erection of Sand filter tank for Gland Water system being provided to slurry pump (TLP PROJECT-KCM)
- Weekly and monthly preventive maintenance of **thickener drive and agitators**.
- Installation & maintenance of **Ball mill** like replace of linear plates and inspection of trunnion bearing, checking of root clearance of pinion and girth gear, scheduling of lubrication girth gear and trunnion bearing.
- Installation centrifuge machine those are used in **solvent extraction** for removal organic solution.
- Installation of centrifugal pumps in solvent extraction and done proper maintenance and scheduling of daily, weekly, monthly .and installation of mixer and gear box for extracting and stripping of copper from copper organic aqueous solution.
- Failure analysis and root cause analyzing of equipment, training providing to my subordinates regarding RCA & laser alignment, lubrication & plant availability.
- Implementing cost saving measures & technical troubleshooting to achieve substantial reduction in terms of man days, production cost, raw material & energy consumption.
- Material inspection – checking of physical condition, verification of test certificate, checking of quantity and storage of material
- Preparing predictive maintenance schedule planning as per vibration report.
- Process pump field alignment and knowledge about erection sequence with proper lifting plan.
- Erection of pressure piping & assembling of slurry pump (**WARMAN, SULZER, RSVP PUMP FROM WEIR MINERALS**)
- Supervisor for the hire and availability of machineries in KCM-TLP site such as cranes (140T, 70T, 45T, 35T, 25T, 20T) and Forklift(10T) as per client requirement and looking after proper maintenance and breakdown of the machineries.

Junior Engineer (Operation & Maintenance Of Ash Handling Plant)

Macawaber Beekay Private Limited (Jan 2017 to Dec 2017)

Site- Adani Power Rajasthan Limited, Kawai (2*660MW)

- Operation and maintenance of slurry pump, High & low-pressure water pumps and double V type water impounded Bottom Ash Hopper, feed gate, clinker grinders in slurry lean phase system.
- Operation and Maintenance of Instrument air and transport air compressor, UDC, LDC, ISH & Ash conditioner, Rotary vane feeder,
- Unloading spout, Operation of ESP, Fluidizing blower, vacuum pump, bag filters.
- Maintenance of 3*3.0km MS slurry pipe, cast basalt bends, recovery water line ACI bends with expansion sleeve from slurry pump house to ash dyke
- Preparing DPR & weekly, monthly reports including daily Maintenance report spares. Consumption report & system improvement activities report.

Trainee Maintenance Engineer (Engineering & Maintenance Department)

BIOCON – Hyderabad

Sep 2015 to Aug 2016

- Logged detailed and thorough records of maintenance performed.
- Worked closely with equipment maintenance engineers and technicians.
- Monitored and maintained heating, ventilation and cooling system.
- Maintained and repaired boilers, air handlers, scrubbers and closed loop systems.
- Investigated major malfunctions and breakdown of heating, refrigeration and air-conditioning systems.
- Inspected and tested refrigeration system, safety devices and control

Education:

S. N	Qualification	School/University	Percentage & Year
1	B. TECH(Mechanical)	Biju Patnaik University of Technology, ODISHA	70.1% (7.1 CGPA OUT OF 10) - 2014
2	XIIth	Ronald Jr. Science College, CHSE ODISHA	59% - 2009
3	Xth	Sara Swati Sishu Vidya Mandir ODISHA	79%- 2007

Training & Project: (During in Engineering)

- An Industrial Training at BHILAI STEEL PLANT (SAIL).
- I have done Project on PNEUMATIC VICE .

Software Exposure:

- Proficient with MS Office package.
- AutoCAD
- SAP –Preventive maintenance Tracking, material purchase and requisition, plant compliance (KCM

Personal Attribute:

- Date of Birth : 30th May 1992
- Father's Name : Hrushikesh Badatya
- Passport Details : **M1669699 valid up to 2024**
- Residential Address : Shyamalai Nagar
Bainchabania, Hinjilicut, India (Pin Code-761102)
- Languages Known : **English, French, African languages Swahili, Bemba**
- Hobbies : Travelling & Listening Music.

Date

Place : LUBUMBASHI DRCONGO

Signature

Ashish Badatya