


I am a result-oriented maintenance professional with 24 years and 9 months of total experience in plant maintenance and project of heavy engineering and manufacturing units. I have demonstrated deep expertise in Hydraulics, Pneumatics, problem solving, strong communication and leadership skills to manage maintenance at large plants with a tight control on KPI's such as MTBF, MTTR, with high standards of Safety and equipment availability.

 rbibhuprasad@gmail.com

 8018043521/8260876067

Core Competencies

Hydraulics, Utility, Cranes, Rotating equipment

M/c Maintenance Operations

Spare part Management

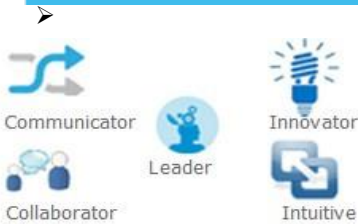
TPM

Pneumatics, CNC, PLC

Cost Reduction/Savings

Quality Management

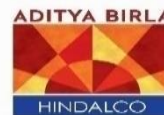
Team Building & Leadership



Profile summary

Dynamic career with **24 years and 9 months** of experience in **Maintenance and Project Management**

- Expertise in **managing projects in accordance with rules pertaining to equipment safety**, supervisory as well as advanced safety procedures, codes and standards, like development of HIRA.
- Proven capability of **managing overall operations & maintenance**, preventive maintenance and **resource planning for maintenance for plant machinery & utilities**.
- Experience in **operations & maintenance of hydraulic and pneumatic systems; electrical systems** and mechatronics enhancing systems to achieve greater cost efficiency levels & energy/power reductions.
- Hands- on experience in **supervising erection & commissioning operations** as well as conducting **tests & inspections** to ensure operational effectiveness of utilities; planning & effectuating **maintenance plans for machines and equipment**.
- Resourceful at conducting **analysis of repeated breakdowns**, regulating **ISO&TS** for the function and planning and implementing **TPM pillar activities** an effective Leader with management skills along with **leadership, problem-solving & analytical capabilities**



Aug'99-Mar'07

Mar'07-Feb'08

May'08-Aug'10

Sep'10-Feb'14

Mar'14-Nov'23

Nov'23-Jun'24

Jun'24 to TD



WORK EXPERIENCE

1. **Deputy General manager maintenance with M/s Welspun Specialty solutions Ltd, Jhagadia, Bharuch from June 2024 to till date.**
2. **ASST.GENERAL MANAGER at M/s BANCO ALUMINIUM LTD, BHAILY, VADODARA FROM NOV'2023 TO JUNE 2024**
(Banco aluminum is primarily a extrusion profile manufacturer as per requirement of customers.)
3. **MANAGER AT SMELTER DIV CARBON PLANT OF ADITYA ALUMINUM (DIV.OF HIL), LAPANGA, SAMBALPUR, ODISHA from Mar'14 to Nov'23.**
(Aditya aluminum is a manufacturer of aluminum billets and bosses and into upstream business)
4. **MANAGER-PROJECT AT USHA MARTIN LTD., RANCHI FROM SEP'10-FEB'14**
(It is primarily a manufacturer of steel wire ropes.)
5. **DEPUTY MANAGER-PROJECT AT HOT STRIP MILL, REHEATING FURNACE OF BHUSHAN STEEL LTD., ANGUL, ORISSA FROM MAY'08-AUG'10**
(Presently known as Tata steel and and manufacturer of steels in the form of coils.)
6. **ASSISTANT MANAGER-MAINTENANCE AT SUNDRAM FASTENERS LTD. (TVS) GROUP, RUDRAPUR FROM MAR'07-FEB'08.**
(It is an integrated plant which manufactures high tensile fasteners, Collar gears, tensioners and idlers.)
7. **MAINTENANCE ENGINEER AT SUBROS LTD., NOIDA &PUNE FROM AUG'99–MAR'07**
(It is into manufacturing of automotive Air conditioners for light and heavy vehicles)

PRESENT ROLES AND RESPONSIBILITIES

Key Result Areas:

- **Heading the maintenance and project dept.at M/s WELSPUN SPECIALITY SOLUTIONS LTD, JHAGADIA, BHARUCH.Resposible for overall KPI of the plant maint.**
- Administering maintenance of hydraulic machines at EXTRUSION PRESS SHOP, BPSANDCOLD FLOW DIV.
- Leading spare part management & maintenance budgeting; conducting monthly oil analysis, vibration analysis of critical equipment of PIPE PLANT, Extrusion press shop, bright bar division to increase reliability of system.
- Implemented safety LOTOTO system at Welspun Specialty solutions, Jhagadia.
- Establishing corrective action plan for repeated breakdowns & MTBF less than 100 hours. Steering planning & scheduling of preventive maintenance and planning & implementing predictive maintenance or CBM of machines.
- Working on SAP R/3 ERP system.
- Analyzed equipment maintenance requirements and developed a comprehensive plan for mechanical spare parts i.e vital and essential spares as per requirement of various machines needs for various equipment types.

Highlights:

- Spearheaded erection and commissioning of RADIUSING machine, billet cutting machine, double head drill machine at tool room, shot peening machine.
- Developed HIRA and tool box talk safety system for the machines installed at extrusion press shop, BPS and cold flow division of pipe plant.
- Established CBM system of machines. Oil analysis, vibration analysis done and reliability of hydraulic system and Id fans improved drastically.
- Imparted safety trainings of all machines and also given basic industrial hydraulic training to all engineers and LMS of pipe plant and bright bar division.

Details of past experience:

MAINTENANCE:

Hydraulic systems:

- Modification done of Danfoss make hydraulic system to Parker make hydraulic system to improve reliability of the system.
- Imparting training to all LMS & associates on basics of hydraulics & pneumatics and troubleshooting techniques.
- Modified the entire hydraulic power pack supplied by M/s Solios. Parker makes hydraulic power pack installed with complete safety features. Modified its oil cooling heat exchanger.
- Installed NAS analyzer on various hydraulic system to monitor the oil contamination level.
- Have increased the reliability of injection moulding machine hydraulic system by implementing preventive maint and Predictive maint like oil analysis

Pneumatic system:

- Modification done on entire pneumatic system of anode handling system to improve its reliability.
- Troubleshooted many pneumatic problems on machines.
- Modified the turn table pneumatic system to improve its reliability and to reduce its Mean time to repair.

CNC system:

- Administered PM and predictive maint of CNC machines.
- Troubleshooted CNC problems by root cause of analysis of its repeated breakdowns.
- Have got exposure of different CNC m/c's such as Centre less Grinder (Estarta, Micron make), TAL(HMC), TAL (VMC), Makino VMC modelmax65p, free flow conveyor, CNC LATHE (LAL2), XL0, SPMs (Boring, Tapping, Turning), LMV Junior M/c (Fine Boring, multi operations, LMW Make), Hydraulic & pneumatic press up to 20-ton capacity (Electro Pneumatic Make), Milling M/C (BFW Make) & Lathe (Kirloskar Make), Drilling & Tapping (Accumax make), Honing (Fuzisanki make) Hose crimping (Nippon Denso make), D.L.T. (differential leak Testing) m/c's. cam profile grinder.

Utility:

- Increased reliability of Air compressor upto capacity 247 CFM of Atlas copco make, pumps, DG set of 1000KVA (make: CUMMINS), HT and LT panels, refrigeration Air dryers by Implementing Proper preventive and predictive maintenance.
- Administered erection and commissioning of nitrogen plant, DG set, Air compressor up to 247CFM capacity, Utility panels.

Material Handling:

- Increased reliability of anode handling system roller conveyor by modifying the roller shaft assy at Aditya aluminum.
- Implemented PM on furnace tending assy (FTA) cranes of capacity 25 tons (make: NKM Noell). Load testing also done at regular intervals.
- Increased the reliability of stacker crane of 18-ton cap (Make: ECL) by executing its PM and by proper checking of its wire rope at regular intervals.
- Also increased reliability of EOT cranes (make Indef, Arya) of 10 ton capacity by implementing proper preventive and predictive maintenance.

Rotating Equipment:

Have increased the reliability of hydraulic pumps, Air compressor (Atlas Copco), Blowers of Aerezen make, heavy duty furnace oil transfer and feed pumps, ID fans of fume treatment center and dedusting system and LT CT gearbox of FTA cranes.

Spare part management:

- Prepared spare parts list and ensured availability as per requirement based on maintenance schedules, history of failures, equipment reliability or MTBF parameter.
- Developed and maintained a spare parts catalog, including part numbers, descriptions, lead times, and other relevant information for pilot codification.
- Coordinate with vendors and suppliers to ensure timely procurement of spare parts, taking into account lead times, availability, and cost considerations.
- I was involved in analyzing equipment maintenance requirements, forecasting spare parts needs, managing inventory levels, and ensured timely procurement and availability of spare parts.
- Coordinated with maintenance teams to identify critical spare parts, establish stock levels, and define minimum and maximum inventory level at site and central store.

- Developed and maintained strong relationships with vendors and suppliers, negotiate pricing and terms, and identify opportunities for cost savings and process improvements.
- Have got exposure in ERP system such as SAP R/3, BAAN, ODOO and ORACLE 11i.

PROJECTS:

- Spearheaded commissioning of vibrocompactor machine installed at GAP at HINDALCO.
- Spearheaded erection & commissioning of CNC m/c, Hydraulic Presses m/cs & LRPC M/c.at M/s Subros Ltd and UML.
- Managed erection & commissioning of Wire Drawing m/c run by A.C&D.C Drives (Siemens make) at M/s UML
- Managed erection & commissioning of charging & discharging Hydraulic m/c of reheating furnace & Roll Grinding CNC m/c of Hot Strip Mill roll shop at M/s Bhushan Steel Ltd.
- Commissioned entire hydraulic power pack system of roughing mill, finishing mill and reheating walking beam furnace and laminar cooling zone.
- Administered project activities involving working out various requirements of hydraulic system spares for commissioning of hydraulic system of roughing mill and finishing mill.
- Administered commissioning of nut and bolt forging m/cs, Powder compaction CNC m/cs of 500ton capacity. Thread rolling m/cs, Sintering furnace. Hydraulic press of 10-ton capacity at M/S SFL.
- Managed green field projects for Rudrapur i.e integrated plant of M/S SFL (metal forming division, fasteners div and tensioner and idler division).
- Managed in erection and commissioning of Voltas make chillers at M/s UML.

SAFETY:

- Imparted safety trainings of all machines and also given basic industrial hydraulic training to all engineers and LMS of smelters at Aditya Aluminium, Hindalco.
- Developed 120 HIRAS for the machines installed at anode baking furnace such as all hydraulic systems machines, Roller conveyors, furnace tending ASSY cranes of 25ton capacity. Stacker cranes of 18ton capacity and cleaning m/c etc.
- Initiated tool box talk system in every shift before start of maint activity on shop floor. and behavioral based safety observations during maintenance activities on shop floor.

Major achievements and Awards:

- Pride Presentation Award in the year 2015 for independent mould change from Aditya Anode former to Hirakud Anode former without the help of M/s Solios Carbone (OEM); independently troubleshoot hydraulics problems encountered during commissioning of GAP for improvement of TPH
- Independently executed 15nos.modificationson5nos.machines at GAP, one no.m/c at ABF
- Played a key role in implementing 20nos.Eurekas. i. e developments and cost saving Projects at ABF, GAP & FTC.
- Saving done of INR15lakhs annually through energy management system & new energy efficient products Successfully implemented:
- Improved the cleaning efficiency of Aditya and Hirakud cleaning m/c by modification. It could improve the quality of anode.

TRAININGS:

- Undergone basic Hydraulics Training at Yuken India Ltd., Bangalore in April 2005
- Undergone D.L.T Training at Syscon Instruments Pvt.Ltd., Bangalore in September2004
- Undergone training on Sigma Profile and Sigma Control system at M/s Kaesar compressor at Pune.
- Undergone Training on Industrial hydraulics at M/s Bosch on behalf of Aditya Aluminum (Division of H.I.L),in October 2022
- Undergone Training at Kolkata on Goal Setting and Team Building at HINDALCO.
- Undergone Basic PLC Training at Messung automation Ltd., Gurgaon in March2008

EDUCATION

- 1999 B.Tech. in Mechanical from National Institute of Technology, Warangal, AP

Personal Details

- Date of Birth: 30th June 1976
- Languages Known: English, Hindi, Odia