

# BHUMIN RAMESHBHAI PATEL

## CONTACT

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## OBJECTIVE

Targeting challenging opportunities in the chemical, pharma, and utility operations and maintenance sectors globally. Aiming to contribute expertise in energy efficiency, regulatory compliance, sustainability practices, technical excellence, and operational excellence.

## EDUCATION

- Boiler Operation Engineer (B.O.E.), Pass out from Gujarat state, 2019
- Post Diploma in Industrial Safety, Technical Education Board, Gandhinagar, 2015
- B.E. in Mechanical Engineering, Gujarat University, 2009

## CORE COMPETENCIES

- Energy Efficiency
- Utility Operations & Management
- HVAC System
- Steam Boiler Operation & Management
- Regulatory Compliance
- Sustainability Practices
- Operational Excellence
- Environmental Impact Assessment
- Budgeting and Costing
- Project Management

## TECHNICAL SKILLS

- Operating System: Windows 2000, Windows XP.
- Software Package: M.S. Office, Open Office, AUTO-CAD, Internate
- Business Software: SAP, CMMS, BAAN, Maximo.

## CERTIFICATIONS

- TPM Facilitator Program arrange by HCCBPL.

## PROFILE SUMMARY

- Targeting challenging opportunities in the chemical, pharma, and utility operations and maintenance sectors globally. Aiming to contribute expertise in energy efficiency, regulatory compliance, sustainability practices, technical excellence, and operational excellence.
- Leading the team at Tagros Chemicals India Pvt. Ltd. as the Manager in-charge for the efficient operation and maintenance of diverse equipment.
- Proficient in managing IBR approved boilers, heat exchangers, water treatment plants, and cooling towers.
- Successfully enhanced boiler efficiency through the implementation of targeted maintenance strategies.
- Skilled in leadership and team management, fostering a collaborative work environment.
- Displayed expertise in implementing quality systems and ensuring compliance with ISO standards.
- Guided a recent project that decreased utility consumption.
- Proficient in applying TPM, 5S, and KAIZEN techniques to drive ongoing enhancements in operational efficiency.
- Proficient in implementing energy efficiency optimization strategies, regulatory compliance management, and sustainability practices to drive operational excellence and cost savings.
- Achieved a reduction in utility consumption through the successful implementation of a project at Tagros Chemicals India Pvt. Ltd., resulting in significant cost savings and environmental impact reduction.

## WORK EXPERIENCE

### Tagros Chemicals India Pvt. Ltd., Dahej Manager: Utility Operation & Maintenance

Jan'2023 - Present

#### Key Result Areas:

- Managing 04 Nos. of Thermax make 10 TPH, 02 Nos. of 16TPH & 25 TPH AFBC Coal Fired Boilers, ensuring compliance with Coal Plant maintenance and fulfilling all IBR Legal Requirements.
- Administering operation & maintenance of Trane Make Screw Brine chiller (-10 Deg) and Chilled water (+7 Deg) Unit.
- Managing System & Component Make Ammonia (-30 Deg) 150TR & 55TR chiller unit, along with CP Make Reciprocating & Screw Air compressors and Air Dryer.
- Directing GASTEK Make Nitrogen- PSA Plant operation & maintenance.
- Supervising Cooling Tower Induced draft cross flow with transfer pump operation & maintenance.
- Managing Thermax Make Water Softener Plant of Capacity 50 m3/hr & D.M Plant operation & maintenance.
- Leading Chirag Ice Make ICE Plant of Capacity 80 TPD operation & maintenance.
- Handling HVAC System.
- Implementing Quality Systems (ISO 9001, ISO 14001, OHSAS-18001 & ISO 50001:11) in respective job area.
- Driving TPM; 5 S; KAIZEN implementation in the Utility Department.
- Developing yearly budgets and monitoring expenses.
- Monitoring daily utility consumption and analyzing the same.
- Reviewing Daily Reports of Utility consumption and equipment efficiency.
- Implementing improvements to achieve target Norms on Boiler Efficiency, Steam/Fuel ratio, Condensate recovery system, Air usage ratio per production, refrigeration system ratio per production.
- Improving existing systems for better utility operation.
- Executing projects and preparing BOQs.
- Coordinating with all departments to maximize plant productivity.
- Maintaining contacts with external vendors for regular works and ensuring timely completion of AMC'S and verification of vendor bills.
- Ensuring availability of spares for equipment and maintaining equipment in optimal condition.
- Reviewing Equipment History cards and Plant Preventive Maintenance (PPM) Schedule regularly.

- Addressing Major breakdowns, taking corrective and preventive actions, and maintaining records.
- Approving Work permits for maintenance work and monitoring work from a safety perspective.
- Providing training to manpower and encouraging multitasking.
- Providing direction and support to Operators & Fitters to achieve desired results.
- Conducting self-inspections of equipment to identify abnormalities.
- Ensuring PPE usage by all persons working in line where required and following the B.B.S System.

## **Jubilant Infrastructure Ltd., Bharuch**

### **Assistant Manager: Utility Operation & Maintenance**

**May'2015 - Jan'2023**

#### **Key Result Areas:**

- Operated and maintained two CVL Make Coal Fired AFBC Boilers, with capacities of 28TPH and 35TPH respectively. Ensured compliance with all IBR Legal Requirements and managed maintenance of the Coal Handling Plant.
- Handling of HVAC System.
- Managed the operation and maintenance of an Incinerator with a thermal capacity of 15mKcal/hr. and a Waste Heat Recovery Boiler (WHRB) of 15 TPH.
- Supervised the operation and maintenance of an ION Exchange Make Water Treatment Plant with a capacity of 150 m3/hr and a D.M. Plant with a capacity of 60m3/hr, along with a 1200m3 OBR.
- Maintained the Paharpur Make Cooling Tower with a circulation capacity of 3600 m3/hr.
- Managed the operation and maintenance of a Trane Make Screw Brine chiller utilized as a Chilling Unit.
- Administered the operation and maintenance of CP Make Reciprocating & Screw Air Compressors along with an HOC Type Air Dryer.
- Managed the operation and maintenance of a GASTEK Make Nitrogen- PSA Plant.

## **PREVIOUS WORK EXPERIENCE**

### **Hindustan Coca-Cola Beverages Pvt. Ltd., Goblej**

#### **Executive - Utility & Maintenance Engineer**

**Aug'2012 - Apr'2015**

### **Pidilite Industries Ltd., Vapi**

#### **Officer: Utility & Maintenance Engineer**

**May'2010 - Jul'2012**

### **M/S Himanshu Engineers, Vapi**

#### **Workshop Engineer**

**Sep'2009 - Apr'2010**

## **EXTRACURRICULAR ACTIVITIES**

- Worked as an Emergency Response Team (ERT) Member in a company accredited by LCS, India.
- Acted as a FIRST AID Team Member in a company accredited by the INDIAN RED CROSS.
- Displayed proficiency in team collaboration and decision-making within the work environment.

## **SOFT SKILLS**

- Problem-Solving Expertise
- Quick Learner
- Adaptability
- Independent and Efficient
- Analytical Skills
- Effective Communication
- Coordination
- Positive Attitude

## **PERSONAL DETAILS**

- **Date of Birth:** 25<sup>th</sup> November, 1987
- **Languages Known:** English, Gujarati, Hindi.
- **Address:** B/603, Aangan Enclave, Near Vaibhav Bunglows; Zadeshwar; Bharuch-392011, Gujarat, India