

MAYUR DALVADI

Sr.Position : ENGINEERING (Maintenance / Utility / Projects)

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Senior-Engineering & Technical Services Professional, 24-years experience with flawless combination of expert performance oriented with Maintenance-Utility-Greenfield Projects- Technical Services-Strategic Planning-Vendor Resource Development with the Energy & Cost Savings.

Executive Summary

Commendable experience of over 24-years in senior performance oriented engineering services professional, project executer, utilities operation-maintenance management & energy/cost reductions. Expertise with increasing maintenance efficiency by implementing technology driven solutions. Key contributor to enterprise level planning & decision making. Recognize for delivering top line & bottom line results by motivating manpower for handling engineering solutions. Demonstrated ability to motivate the staff & control energy & cost through the most effective available resources. Proactive in managing wide gamut of task inclusive of techno-commercial activities of Jay Chemicals projects with final accountability for engineering efficiency. Hands-on experience in overseeing technical development, utility operation & accountable for increasing cost saving & achieving business objective within the budgeted parameters.

Core Competency

- Technical Expertise & Maintenance Management
- Utility Operation & Maintenance Management
- Leadership & Time Management
- Health, Safety & Environment Management
- Training & Developments
- Projects Management
- Energy & Cost Savings
- Fault tracing-Proactive skills
- Strategic Planning & Documentations
- Vendor & Resource Developments

Career Graph

JAY Chemicals Industries Limited , Khambhat - Gujarat	HOD - Engineering Maintenance	Since Jan-2021
BEIL-UPL Limited , Ankleshwar - Gujarat	Sr.Manager - Maintenance	2017-2020
ESSAR Steel Limited , Hazira - Gujarat	Manager - Engineering & Projects	2009-2017
WELSPUN Corp Limited , Anjar - Gujarat	Asst.Manager - Utility & Projects	2005-2009
SWIL Limited , Jhagadia - Gujarat	Jr.Technician - Utility, Smelter & Refinery	1998-2005
	Trainee	1997-1998

Key Results Areas

Profile Highlights / Responsibilities

- ✦ Responsible-Heading for Overseeing the complete Engineering Sections & Lead the Plant Maintenance, Utilities, Expansion Projects including Automation-Instrumentation of all equipment & to reduce/optimize time-energy-cost-man-machine-breakdowns.
- ✦ Oversee the process data of utility and analyze their performance; take necessary actions to ensure their efficient performance
- ✦ Responsible for Engineering store, inventory controls, spares management
- ✦ Develop corrective / preventive maintenance and calibration (CAPA) schedule based on various critical parameters in order to minimize breakdown. Conducting the root cause analysis (RCA) of failure/s to provide permanent solutions.
- ✦ Exemplify safety within the workplace by reviewing site safety procedures & guidelines. Ensure team adherence to all EHS norms.
- ✦ Ensure team participation and contribution in HAZOP Study each time product, process, recipe or equipment changes. Ensure team does PSSR before campaign change each time.
- ✦ Ensuring that the team maintains control measures for reduction of risk/hazards and to maintain statutory compliances for Utilities, Boiler, Tank farm, LPG, hoist, forklifts, weighing machines etc.
- ✦ Develop an engineering budget for the organization, Utilities and ensure regular monitoring and deviation analysis
- ✦ Oversee the development of value engineering initiatives for effective cost reduction
- ✦ Provide expertise for review of technical details of offers submitted by vendors for AMC, breakdown services, and recommend contractors for equipment and utilities
- ✦ Administer the Annual Maintenance Contracts for various equipment & ensure that the same are renewed in a timely manner.
- ✦ Maintain a record and analyze the engineering data for compilation and preparation of timely MIS reports, responsible for budgeting/costing & Engineering reports to the Plant Head

Greenfield Projects Managements

- ✦ Achieved project delivery within schedule quality, cost & timelines with realized 95% capacity utilization within 6-months of Greenfield project implementations.
- ✦ Greenfield Project executed from Land, Planning, Vendor-Resource management, communications, Procurement, Delivery following, Erection, Commissioning to Machine Operational.
- ✦ Proficiently performed with Greenfield Project with Erection-Installation for Dyes intermediate Chemical & Line Pipes Spiral-Coating-ERW & L-saw for Petroleum-Gas-Slurry-Chemicals-Water.

- ✦ Undertook several new & expansion projects along with deploying all inputs i.e. manpower, machine, materials for ensuring project delivery within define time frame & budgeting-costing parameters.
- ✦ Determines Project Specification, Layout, P&I, Hazop-plan, Capacity mapping, Technical Concepts.
- ✦ NACE Standard laboratory project piping & sample testing execution for H2S Corrosion Testing for Pipe Sampling.

Maintenance-Utilities Management

- ✦ Chemicals like Reactive-Disperse Dyes & Intermediates with ZLD, Smelter-Refinery, Steel-Pipes, Textiles Plants align well with Projects, Maintenance & Utilities.
- ✦ Hazardous chemicals equipment maintenance work, storage-handling like Methanol, Naphthalene, Nitric, Oleum, Sulphuric, HCL, Caustic flakes, Soda Ash, Spent, Chloro Sulphonic Acid, Thyonil Chloride, Acetanilide, Sodium Bisulphate, Acetic Acid, Aniline Acid, Ammonia, Bromine etc.
- ✦ Utilities Operation & Maintenance for SS-Glassline Reactors, FBD-RVD Dryers, Scrubber, Thermic Fluid System, ATFD, MEE, Steam Boilers, WHRB, Compressor, Pumps, Cooling Tower, Brine-MEG & Water Chillers, HVAC-Air Conditioning, Heat Exchangers, WTP-STP Plants for Drinking-RO-DM-Cooling-Process Water, Fuel-Tanks farm areas & Incinerators, Spray Dryers.
- ✦ Reducing Downtime, Overall Equipment Effectiveness-OEE, Mean time to repair-MTTR, Mean time between failure-MTBF, Preventive maintenance compliance with Energy-Cost Saving.
- ✦ H-Acid maintenance for 400 MT/Month with Sulphonation, Nitration, Neutralization, Filtration, Reduction, Fusion mass, Isolation, Hydrogenation, Solvent, SSP, Centrifuges, Nutch Filtration.
- ✦ VS-Vinyl Sulphone maintenance for 600 MT/Month with Sulphonation, Drowning, Reduction, Ethoxilation, Condensation, Centrifuge, Drying, Esterification, Hydrolysis, Dumping, Nutch. Pulverization, Dryer.
- ✦ CPC-Copper Phthalocyanine Blue maintenance for 200 MT/Month with ZLD facility Process for Glass Vessel, RVD-Rotary Vacuum Dryer, Filter press, SFD-Spin Flash Drying, Thermic Fluid Heater.
- ✦ Utility & Plant maintenance for Pipe Manufacturing of L-Saw, Spiral, ERW, Coating like 3LPE, PP-PE & CWC Coating plants Edge Milling, Crimping-JCO Hydraulic Press, Tack, Inside/Outside Welding, Beveling, Expander, Hydro-Tester, Spiral Mill, DE-coiler, Pipe Washing, Welding flux system, Conveyers, EOT Cranes, Mobile Hydra, Forklift, Vacuum Cranes, Extruders, Anticorrosive Coating, Shot Blasting, Gas Oven, Induction Heating & Phosphate/Chromates Washing Machines.
- ✦ Smelter-Refinery's Plant Furnaces, Burner lance, Oven-tilting, Material conveying, Poclairn, Refractory brick lining, casting-ladle-mould maintenance, Slag granulations, Anode-cathode oxidation, H2SO4 storage-circulation, Stripping-packing machines.

Quality Management

- ✦ Successful implementation ISO-14001:2004 & OHSAS-18001:2007.
- ✦ Inventory Management with SAP-ERP-Mirror with Environment, Health & Safety Management Systems.
- ✦ Maintenance Techniques Implementation Six-sigma, 5S, CAPA, FMEA.

Plant-Manufacturing Operations

- ✦ Technically upgraded plant to raise the product range from the existing capacity.
- ✦ Streamline manufacturing process/maintenance contracts & upgraded facility, consultancy service of reputed techno service provider.
- ✦ Ensure execution of plant modernization project under technical up gradation consultancy.
- ✦ Concluded rate contract for various process/services on most comparative rates/deliverability/warranty.

Financial-Commercial-Stakeholder Operations

- ✦ Developed & Implemented capex/opex budget on monthly/annual basis & monitor spend accordingly.
- ✦ Proactively handled day to day activities related to planning, billing, records keeping, personal-physical distributions & logistics.
- ✦ Acquired all statutory requirements License, Calibrations & Permission from State Government GPCB & Electricity Board, PESO with certification from IBR & Factory inspectors.
- ✦ Reduced labor cost/service contracts/other expenses by negotiating with vendor/supplier/amc/arc holders.
- ✦ Recognized for rationalizing manpower & staff during industrial sickness.

Awards-Appreciations

- ✦ Awarded from Group Chairman Mr. BKG for Employee of the year for best performance & teamwork.
- ✦ Successfully completed IMS Internal audit & awarded appreciations.
- ✦ SAP PM Business user for assessment of Level-I expertise.
- ✦ Certified auditor for ISO-9001-2000 QMS system, ISO-14001 EMS system, OHSAS-18001, Health-Safety.
- ✦ Certified by St. John Ambulance for successfully completion of First-Aid Training.
- ✦ Achieve specific power consumption multiple compressors by pressure looping & gets 15% energy saving.

Academic Credentials

- ✦ Mechanical Engineering Diploma from TEB Gandhinagar in Oct-1997 with First Class Distinction.
- ✦ Mechanical Drafting & Estimation from TEB in March-1994 with First Class.
- ✦ SSC exam passed from GSEB in March-1992 with First Class

Personal Dossier

- ✦ DOB & Marital Status - 06th May,1977, Married, 2-kids
- ✦ Address - 4-Vaikunth, Marutinandan Residency, 80-feet Road, Anand-388001, Gujarat-India
- ✦ Passport - L-8589754 (Valid till 22nd March-2028)