


MARKANDEYA SINGH

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Block# 8, Fahaheel, Ahmadi, Kuwait.

Mechanical Engineer & multi-skilled professional with result-oriented approach and proven credentials in varied fields like Plant Maintenance, Factory Automation, Asset Upkeep, Vendor Management, Spares & Service Procurement, Budgeting, Project Management, Audit & Facilities Management, CMMS Implementation, Reliability Engineering.

Exposure to Paint, Petrochemical, Chemical and Steel Industry, having worked in Greenfield Project with 10 years of extensive & diverse experience.

OBJECTIVE

To seek a challenging environment that encourages conditions for learning and stimulates personal and professional growth and provides exposure to innovative ideas and creativity.

PROFESSIONAL SYNOPSIS

- Possess good knowledge and understanding in Erection, Commissioning, and Material procurement for Engineering Projects & Maintenance.
 - Recognized for Reliability and “getting the job done” through persistence and dedicated work ethic.
 - Ability to manage multiple tasks simultaneously and believe in teamwork.
 - Possess good leadership qualities, Strong Analytical & Communication skills.
 - Adaptable, flexible, quick learner and interested in Innovation.
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EXPERIENCE SUMMARY

Hempel Paints (Kuwait) K.S.C.C.

Designation: Maintenance Engineer

Location: Al Ahmadi, Kuwait (**Duration:** May 2022 – Till date)

Job Profile:

- Ensuring timely maintenance of equipment through Asset care to ensure smooth operation & optimum availability of equipment.
- Planning and effecting preventive & predictive maintenance to improve reliability of production equipments, Utilities, Fire protection systems, MHE, Electrical panels & safety equipments.
- Implementation of GRC recommendations, Thermography of critical equipments & room integrity tests for auto fire suppression systems as per NFPA standards.
- Implementation of Computerized maintenance management system & Reliability Centered Maintenance (RCM).
- Proactively identifying areas of obstruction breakdowns and taking steps to rectify the systems to optimize KPI like uptime, performance, quality & efficiency OEE.
- Regular inspection & upgradation of fire protection systems, security, facilities & MEP systems.
- Planning & execution of Capex for new products & improvement projects.
- Enrooting maintenance tasks through ERP Improve Soludyne quality management software & Power BI MJR to ensure accessible history.

- Evaluating Capex based on present cost / benefits analysis & ROI. Finalizing requirements and specifications in consultation with vendors, project scheduling including material & manpower planning.
- Outsourcing contractors/consultants for projects & major maintenance services.
- Energy monitoring by Siemens Sentron Power manager & implementation of energy saving ideas.
- Liaising with other departments such as Production, Laboratory, Logistics and Warehouse to identify bottlenecks and arrest breakdowns in time.
- Successfully executed network migration project from Cisco to Aruba (HP)

Asian Paints Berger Bahrain.

Designation: Senior Officer - Plant Maintenance & Projects.

Location: Bahrain – IBU (Duration: October 2019 – May 2022)

Job Profile:

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- Planning & execution of engineering projects for Capex & revenue, Planning & procurement of essential spares Estimation & budgeting for Spares, Maintenance expenses for the upcoming financial year.
 - Execution of Capex projects - Dry Spray booth, UV sterilizer, Floor dissolver, O+B Basket mill, Wastewater reuse system, Energy meters for SPC monitoring, Dry Putty production, Warehouse expansion, MHE procurement.
 - Suggested & implemented process improvement projects for energy conservation, cycle time & cost reduction to achieve substantial reduction in Operation & maintenance expenses.
 - Responsible for timely maintenance of production equipments, Electrical switch rooms, MHE, calibration of instruments & ISO test certification to comply with legal requirements.
 - Planning of routine, preventive, shutdown & turnaround maintenance activities, considering planning resources such as manpower, material & Contract resources required for smooth & safe execution of tasks.
 - Review contractor's planning for major turnaround jobs like bulk storage tank inspection, Overhauling of rotating equipments, runout inspection & dynamic balancing of shafts, assembly, vibration analysis on load.
 - Anchoring on-site activities to ensure completion of project within the time, cost parameters and effective resource utilization to maximize the output
 - Preparation of safe work instructions & adherence to work permit system.
 - Good expertise on the calibration of instruments like Pressure control valves, Static & Dynamic load cells, Radar & Ultrasonic level sensors, Load testing of lifting tools & material handling equipment.
 - Drafting & updating factory layouts like Emergency evacuation plan, Firefighting resources, Electrical line diagrams to comply with visual management requirements.
 - Recognized for establishing and successful implementation of ISO 45001:2015 Risk Assessment Matrix and related Procedure / SOP.
 - Handled breakdowns from all aspects by troubleshooting from Mechanical, Instrumentation & Electrical perspectives.
 - Coordinating with external contractors/consultants for projects.
 - Responsible for inventory of maintenance spare parts and annual stock counts.

Asian Paints Ltd.

Designation: Officer - Plant Engineering.

Location: Pune, Khandala (Duration: July 2015 – Oct 2019)

Job Profile:

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- Handled various roles as shift Incharge of fully automated paint processing, Packaging & powder handling departments for both Water & Solvent based blocks.
 - Focused on Asset care practices like Root cause analysis & Implementation of corrective and preventive actions & horizontal deployment of CAPA actionable for continuous improvement.

- Possess good expertise, hands-on experience in Paint processing & Automated Packing equipment's like TSD, Mixers, Pigging lines, Porta-Silo Bulk powder handling equipment, Aero-Mechanical Conveyors, Gravimetric & Volumetric filling machines, Automated Packing machines, ABB robots, Sequential & simultaneous tinting dispensers.
 - Expertise in DCS operation of Paint processing blocks, powder handling Silo, Emulsion & Resin block, pigging lines & utilities.
 - Good expertise & knowledge of ABB 800xA DCS, PLC programming & configuration of variable frequency drives of Siemens, ABB, Schneider, SEW, Mitsubishi & Infranor make.
 - Recognized for suggestion & implementation of best ideas, achieving design flow rate of fiber conveying system.
 - Enrooting maintenance tasks through ERP SAP Plant Maintenance & materials module.
 - Training team members & technicians on operation & autonomous maintenance of equipment.
 - Ensuring safety by complete adherence to Work Permit and LOTO system.
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JSW Steel Ltd.

Designation: Jr. Engineer Projects.

Location: Bellary, Karnataka.

Duration: August 2013 - July 2015.

Job Profile:

- Worked in Coordination with JFE Steel & Japan Steel Plantech Co. (SPCO) for Cold Rolling Mill (CRM-II) greenfield Project.
- Responsible for Engineering drawing review & BOM finalization for client's scope of supply.
- Procurement, Erection & commissioning of Piping Media for Hydraulics, Pneumatics, Gaseous lines for Furnace, Steam lines as per IBR standards & centralized lubrication Systems in Continuous Annealing Line.
- Planned & executed testing procedures like Hydro test, DP test, pickling, flushing & generated test reports.
- Executed erection & commissioning of Machinery, Hydraulic Power Pack equipment like, Axial piston pumps, screw pump, vane pump, Valve stands, Heat exchangers, Nitrogen charged bladder accumulators.
- Good understanding of Mechanical & Civil drawings, Piping P&ID, Hydraulic & pneumatic schematics.
- Ensured smooth operation of all Hydraulic and Pneumatic Actuators by configuration, fine-tuning of flow, pressure, and direction control valves as per P&ID parameters & hydraulic calculations to achieve desired process cycle time.
- Planning, Procurement of Piping raw material & accessories for liquid, steam & gas applications by obtaining quotations from vendors, commercial comparison & technical recommendation for Indent.
- Overseeing the maintenance of the project after completion & procurement of critical spare parts.

Technical Training

- Internship at **CIPET** (Central Institute of Plastic Engineering & Technology), Cherlapally, Hyderabad. Duration: 6 months (May 2012 - Nov 2012)
- Trained in Operation & Maintenance of Automated Injection Molding Machine.
- Trained & certified for CAD/CAM software like AutoCAD, Pro-E (Wildfire 5.0), Unigraphics (NX8).
- Trained & certified for Internal Auditing ISO 9001:2015 & ISO 14001:2015 by Bureau Veritas.

ACADEMIC QUALIFICATION

- Diploma in Mechanical Engineering approved by State Board of Technical Education & Training at Jawaharlal Nehru Government Polytechnic, Hyderabad, (2010-2013), (Grade: First Class, with 74.52%)
- S.S.C from Sri Vivekananda High School (2010), Hyderabad (Grade: A1, with 87.34%)

KEY SKILLS

- Hands-on experience in ABB 800xA DCS, PLC programming software's like Siemens Simatic Step 7, TIA Portal, ISaGraf, Proface HMI, Siemens FireFinder XLS & Sentron Power Manager BMS.
- Superior familiarity with computer software's like ERP - SAP PM & Materials Module, Improve Soludyne, MS Office.
- Good knowledge of Designing software like AutoCAD, Pro-E (Wildfire 5.0), Unigraphics (NX8).
- Demonstrated ability to work as a team player as well as an individual with good communication skills.
- Resolving complex technical issues and coming up with fast efficient solutions.

PERSONAL DETAILS

Date of birth : 14th-July-1995.
Languages Known : English, Hindi & Telugu.
Marital Status : Single.

DECLARATION

I hereby declare that the above-written particulars are true to the best of my knowledge and belief.
I am confident that if given the opportunity to showcase my skills and enthusiasm, I display my skills and impart by knowledge to a great extent.



MARKANDEYA SINGH