

R. PRASANNA

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PASSPORT #: W3354471 / Expiry Date: 10-Aug-2032

HEAVY EQUIPMENT MAINTENANCE & MANAGEMENT SPECIALIST

Extensive experience in operations, maintenance & troubleshooting of various heavy equipment's.

Equipment Maintenance & Repair ▶ Pipeline Inspection & Maintenance ▶ Preventive & Predictive Maintenance ▶ Equipment Installation & Commissioning

- Dedicated and highly skilled **HEMM Engineer** with expertise in maintaining and troubleshooting complex equipment systems, including Water Treatment Plants (WTP), Sewage Treatment Plants (STP), and associated pipelines. Proven ability to perform preventive and corrective maintenance to ensure efficient operation and reduce downtime. Proficient in identifying and solving mechanical, electrical, and hydraulic issues, with a strong focus on safety standards and regulatory compliance.

HEAVY EQUIPMENT MAINTENANCE & MANAGEMENT (HEMM)

- Expertise in the maintenance, management, and troubleshooting of various hydraulic equipment.
- In-depth experience with preventive and predictive maintenance, along with diagnostic analysis and troubleshooting for equipment.
- Proficient in managing and maintaining equipment in diverse industries such as batching plants, crushers, hot mix plants, and water/sewage treatment plants.

INSTALLATION & COMMISSIONING OF HEAVY EQUIPMENT

- Skilled in the installation, commissioning, and ongoing maintenance of hydraulic equipment, including:
 - Graders, Rollers, Pavers, Excavators, Forklifts, Dumpers, Transit Mixers, Placer Boom, and Static Boom.
 - Crawler, Tire, EOT, and Tower Cranes.
 - Lifting equipment such as JLG, Dingli, and Falcon lifts.

5S IMPLEMENTATION

- Successfully implemented and maintained 5S methodology in ports and the Mangalore facility to ensure organization, safety, and operational efficiency.
- Consistently demonstrated the ability to streamline operations & create a clean, efficient & productive work environment.

KEY SKILLS

Equipment's Handled ▲	▶ Truck-mounted Cranes Hydras Towing Cranes Bowsers Forklifts JLG Machines Concrete Pumps LMVs
Software Proficiency	▶ CSAP ORACLE MS Office (Word, Excel, PowerPoint)
Soft Skills	▶ Problem Solving Team Work & Collaboration Communication Attention to Detail Customer Service Leadership Planner
Other Skills	▶ Project Management Safety Protocols & Procedures Regulatory Compliance (EPA, OSHA) Hydraulic & Pneumatic Systems Preventive & Corrective Maintenance Root Cause Analysis

WORK EXPERIENCE

MANGALORE INTERNATIONAL AIRPORT (ADANI GROUP), MANGALORE
DATA ENGINEERING & MAINTENANCE MANAGER

OCT 2022 - PRESENT

- **Operational Oversight and Compliance Management:** Ensured smooth operation and maintenance of critical airport infrastructure in accordance with industry standards and regulatory requirements.
- **Infrastructure Maintenance and System Management:** Managed the upkeep and functionality of essential systems, including MT section, STP, fire protection system, water network, and Passenger Boarding Bridge (PBB).
- **Strategic Planning and Performance Optimization:** Developed and implemented maintenance plans to improve the reliability and performance of airport infrastructure, ensuring a safe and seamless passenger experience.
- **Cross-Functional Collaboration and Process Optimization:** Worked with multiple teams to identify and resolve operational challenges, driving efficiencies and enhancing cost-effectiveness.
- **Implementation of 5S Methodology for Operational Excellence:** Led the adoption of the 5S methodology, promoting cleanliness, organization, and operational efficiency across the airport environment.

ADANI PORTS & SPECIAL ECONOMIC ZONE (SEZ) LIMITED, MUNDRA
WORKSHOP MANAGER (GRADE 03 - 04)

JUL 2014 – SEP 2022

- **Leadership and Team Management:** Spearheaded a multidisciplinary team to ensure optimal performance of port infrastructure, such as berths, terminals, and cargo handling equipment.
- **Maintenance and Operations:** Led the implementation of rigorous maintenance schedules and best practices to ensure maximum equipment uptime and minimal operational disruptions.
- **Budget & Resource Management:** Managed OPEX & CAPEX budgets effectively, optimizing resource allocation & contributing to cost-efficiency initiatives. Achieved a 5% cost-saving against the approved OPEX budget for operations & maintenance costs.
- **Critical Asset Management:** Strategically planned and monitored the procurement and maintenance of critical spares and lubricants to avoid extended equipment downtimes during routine preventive maintenance activities.
- **Equipment Handling & Maintenance:** Oversaw operation & maintenance of a wide variety of heavy machinery, including truck-mounted cranes, hydras, towing cranes, bowlers, forklifts, JLG machines, and Light Motor Vehicles (LMVs).

ADANI MUNDRA SEZ MANAGER, MUNDRA
UTILITY MANAGER

NOV 2009 – JUN 2014

- **Operations & Maintenance In Charge:** Oversee the operation and maintenance of heavy equipment, DG sets, sewage systems, reverse osmosis (RO) plants, and water distribution networks across SEZ.
- **Mechanical & Water System Management:** Manage and maintain all mechanical and water-related activities at Adani SEZ, including resident colonies and the entire commercial area. Supervise the operation and maintenance of a 37 km water distribution network.
- **Water Treatment & Wastewater Treatment Operations:** Oversee operations of the Water Treatment Plants (WTP), including a 4 MLD (Million Liters per Day) capacity. Manage operations of the Effluent Treatment Plant (ETP) and Sewage Treatment Plant (STP), with capacities of 2.5 MLD and 2 MLD, respectively.
- **Automation & SCADA Systems:** Oversee SCADA automation for 2 MLD Sewage Treatment Plants, ensuring smooth operations.
- **Water Supply Management for Marine Operations:** Manage water supply systems for tugs, ships, and other marine operations within the SEZ area.
- **Operational Oversight in Samundra Township:** Ensure smooth operation of the water distribution and treatment systems within the Samundra Township.

ADANI INFRASTRUCTURE & DEVELOPERS PVT. LTD., MUNDRA
SENIOR ENGINEER O2 PROJECT ENGINEER

JUN 2008 – OCT 2009

Maintenance & Service of Plant & Equipment

- Overseeing the maintenance and servicing of various equipment such as Cranes, Tankers, Blowers, etc.
- Ensuring timely repairs, troubleshooting, and preventive maintenance to ensure minimal downtime.

Operation & Maintenance of Plant & Machinery

- Responsible for the overall operation and maintenance of plant and machinery.
- Ensuring optimal performance and efficient operations across machinery.

Budgeting & Proposals Management

- Preparing and monitoring the Opex (Operational Expenditure) and Capex (Capital Expenditure) budgets.
- Managing and overseeing proposals for Capex, including approvals and cost controls.

Handling Project-related Equipment

- Managing equipment like Concrete Pumps (Schwing Stetter Model 32XL) and ensuring they are ready for operation.
- Overseeing the operation and upkeep of batching plants (Schwing Stetter Model: CP30 and Max Mech Model: 1520) and related equipment.

Earthmoving Equipment Management

- Managing and operating earthmoving equipment such as JCBs, Tyre Mounted Cranes, and Transit Mixers.
- Ensuring safety, efficiency, and availability of equipment for construction activities.

Erection & Commissioning of Treatment Plants

- Overseeing the erection and commissioning of Sewage and Water Treatment Plants in residential colonies.
- Ensuring adherence to environmental standards and operational efficiency.

EARLY CAREER

PUNJ LLOYD LIMITED/ DEPARTMENT HEAD – PLANT & MACHINERY 2006 - 2008

AFCONS INFRASTRUCTURE LIMITED – A SHAPOORJI PALLONJI GROUP/ SENIOR ENGINEER/ Aug 2004 – Aug 2006

PROFESSIONAL DEVELOPMENT (TRAININGS)

- **Caterpillar Maintenance:** Specialized training on maintenance practices & troubleshooting for Caterpillar machinery.
- **Tata Hitachi Maintenance:** Comprehensive training on the maintenance & management of Tata Hitachi equipment.
- **Falcon Cranes - Operation & Maintenance:** Hands-on training for the operation and maintenance of Falcon cranes, ensuring safe and efficient usage.
- **Manitowoc- Operation & Maintenance:** Attended in-depth training in the operation, maintenance & troubleshooting of Manitowoc cranes.
- **Wirtgen Pavers - Maintenance:** Expertise gained in the maintenance & upkeep of Wirtgen pavers for optimal performance.
- **Dingli - Operation & Maintenance Training:** Practical training in the operation and maintenance of Dingli lifting equipment.
- **Security Management System (SMS):** Training on security management systems to ensure safety and compliance in operational environments.
- **Integrated Management System (IMS):** Knowledge gained in the integrated management system for seamless operations and compliance with standards.

CERTIFICATIONS

- **E-Course on AVSec Awareness** – Ministry of Civil Aviation, Nov 2024
- **Training on Aerodrome Design & Operations** – Adani Airports Holdings Limited, Sep 2024
- **Operating & Maintenance of SKIDDOMETER BV 11 VI FRICTION TESTER** – Moventor Ltd. Inc., Jul 2024
- **Training on Prevention of Runway Incursions** – Adani Airports Holdings Limited, Jul 2023
- **Training on Human Factors in Aviation** – Adani Airports Holdings Limited, Jul 2023

ACADEMIA

- **Bachelor of Engineering (Mechanical Engineering)** – Indian Institute of Engineers (IIE), 2007
- **Diploma in Mechanical Engineering** – Indian Institute of Engineers (IIE), 2004