

Jatin N. Solanki (B.E. Mechanical)

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Job Objective

Seeking the role of Mechanical Maintenance Engineer where I would be given an opportunity to utilize the technical skills, sense of responsibility and efficiency to help the organization grow.

Organizational Experience

Currently working as Sr. Assistant Manager (Mechanical Maintenance - Ash Systems) at Odisha Power Generation Corporation since May 2017.

(660MW x 2 units)



Joined Since August 2011 with Adani Power Maharashtra Ltd., Tirora, Maharashtra, Adani Group as Graduate Engineer Trainee (Mechanical Maintenance - Ash Handling Plant) till April 2017 as Assistant Manager.



(660MW x 5 units)

Profile Summary

- ❑ Offering 5 years 10 months of widespread experience in Maintenance, Commissioning, Commercial Operations, Vendor Management, Contract Management and Team Management in Mechanical Maintenance department Ash Handling Plant.
- ❑ A keen planner, strategist & implementer with demonstrated abilities in enhancing operational efficiency by making use of leading edge manufacturing technologies.
- ❑ Hands on experience in overseeing project activities from stage of conceptualization to execution including developing technical specifications, spare parts planning, procuring raw materials, conducting stage inspections, scheduling, progress monitoring, site management, inventory management, environment management and manpower planning.
- ❑ Expertise in managing maintenance operations for reducing breakdown / downtime & enhancing operational effectiveness of equipment.
- ❑ Accountable for ensuring that cost control strategies are in place and acted upon according to the priorities along with skills in assuring availability of sufficient human & financial resources to carry these out.
- ❑ Experience in handling Maintenance and Commissioning of Ash Handling Plant and ESP of 660 MW (660MW x 5 Units) for 5 years Super Critical Thermal Power Plant.
- ❑ Possess excellent interpersonal, analytical and negotiation skills with proven track record of utilizing a process-oriented approach towards the accomplishment of cost, profit, service & organizational goals.

Soft Skills



Core Competencies

- ❑ Overseeing execution of preventive maintenance of Instruments, including schedules / shutdown maintenance to ensure trouble free and seamless operations.
- ❑ Completing pre-tender obligations like submitting pre-qualifications, study of contractual conditions, project cost analysis including considering cost impact of techno-commercial conditions
- ❑ Preparing contract documents for various work items including contractual terms and conditions, technical specifications and commercial terms as well as identifying spares for procurement

- Monitoring contract payments, schedule and all contract administration requirements as detailed in the specifications
- Leading, mentoring & monitoring the performance of team members to ensure efficiency in process operations and meeting of targets.

Adani Power Maharashtra Ltd.

- Carried out commissioning and mechanical maintenance of:
 - o Ash Handling System including Ash Dyke Management, Maintenance of Clinker Grinders, Vacuum Pumps, Water Pumps, Slurry Pumps, Vacuum Pumps, GEHO Pump, Compressors & Blowers etc. , Equipment's of bottom ash evacuation system, economizer and ash hopper de ashing system & ESP.
 - o Ash Handling System & ESP of Unit No. I, II, III, IV & V.
- Process champion for implementation of Safety Management System Mechanical Maintenance.
- Root Cause Analysis of failures.
- Task Team member for **implementation of SAP** PM & MM Module at Adani Power Maharashtra Limited.
- Preparation of Annual Budget for MMD AHP.
- Played a key role in audit related and ISO documents for compliance of ISO 9001: 2008 , ISO 14001: 2008, ISO 18001: 2008 & IMS.
- Played a key role in **DISHA**, a business transformation process.
- **Spares Management.**
- Preparation of mechanical maintenance budget.
- Analyzing Mechanical Maintenance cost and budgeting.
- Preparation of audit related documents.
- Collation of data for performance monitoring and reporting.
- Contractor management
- Participation in Reliability & Integrity studies as identified.
- Implementation of technical recommendations.
- Carryout preservation activities as per schedule.
- Identification & interaction with Workshop for repair activities.
- Knowledge management activities.
- Maintaining integrity of maintenance SAP-PM and SAP-MM data, analysis and costs - by timely and correct data entries and validations.
- Supervision and mobilization of resources for shut down jobs as per plan.
- Preventive Maintenance, Break Down maintenance & Annual O/H of all equipment's and Water & Ash transport pipe lines. Ash Dyke management, Mechanical maintenance & Annual O/H of ESP, Spares & vendor management.
- Implementation of Mechanical Maintenance Modules of DISHA (Business process transformation) at Udupi Power Corporation limited (Adani Power Udupi limited) at Udupi Karnataka.



Highlights

- Suggested and commissioned change in connection of Air Pre Heater hopper deashing line from the ESP centre pass to ESP outer pass to reduce the deashing time of ESP centre pass.
- Implementation for installation of vent fan over bag filter unit for surge hopper to reduce press. surge hopper for successful commissioning of dry ash evacuation system Suggested to have flushing line for individual ash slurry series in U # 4 & 5 to avoid frequent sump, pumps & ash disposal line
- To reduce material & maintenance cost for slurry line & water line of BAH area by getting implemented the successful change in piping layout in U # 2,3,4
- Suggested to have flushing line for individual ash slurry series in U # 4 & 5 to avoid frequent choking of sump, pumps & ash disposal lines.

- Suggested replacement of single collar bag filters by double collar bag filters and installation of bag failure detection system for reducing frequent failure of Bag Filters.
- Replacement of MS Pipes to Cast Basalt Pipe for ISH Tower Collecting Tank and Bottom Ash Hopper to Collecting Channel to avoid frequent slurry line leakages.
- Replacement of Clinker Grinder Gland packing arrangement to mechanical seals for eliminating frequent gland leakages.
- Installation and replacement of swing type check valve with double swing type spring loaded check valve to eliminate frequent breakdown of NRVs.
- Bottom Ash Hopper Refractory application, ESP water washing & GD screen replacement work.
- Maintenance of Dome Valves, Crossover valves, Switch Valves & Dump Valves.
- Maintenance of High Concentration Slurry Disposal System.
- Identification and implementation of excellence projects for Ash Handling Plant such as provision of ESP peripheral drain and installation of drain pumps.
- Conducted Disha Process Compliance Cross Site Audit as a auditor at APRL-Kawai for Maintenance Processes and highlighted the quality of good work done at Kawai and suggested areas for further improvements.
- Preparation of MMD AHP Budget for FY 2017-18.
- Preparation of 58 Nos. of Job Specific JSA's and incorporated in SOP's for MMD-AHP section.
- 100% compliance of safety audit and recommendations in MMD-AHP section.
- Carried out technical audit compliance of MMD-AHP section.
- Safety Management System - Implementation of SMS elements : 1). Cranes & Rigging. and 2) Machine Guarding. for MMD - AHP section.
- Replacement of Swing type check valve with dual disc swing type check valve (spring loaded).
- Spares development / spares management of MMD - AHP section.
- Installation of 400 NB Dome Valve in place of 300 NB Dome Valve at Lock Hopper discharge for ISH Tower to increase efficiency of dry ash conveying system.
- Optimal use of resources (time, cost, etc.) and always given maximum output in terms of quality.

Education & Certification

- BE (Mechanical) from L. C Institute of Technology, Bhandu affiliated to North Gujarat University in 2011.



BE (Mechanical) : LCIT - North Gujarat University.

Professional Skills

- SAP
- Keen Learner.
- Well versed with MS Office Suite (Word, Power Point & Excel), SAP and Internet Application.
- Drive for result.
- Motivate people on work to achieve result.
- Functional excellence.
- Team Player.
- Delivering Technical lectures at Adani Power Maharashtra Ltd., Tiroda for DETs of the company.
- Problem Solving & decision making, concern for safety & environment, quality orientation, time management, learning and creativity.

IT Skills

- Well versed with MS Office Suite (Word, Power Point & Excel), SAP and Internet Application.

Personal Details

Date of Birth: 09th January, 1989

Languages Known:	English, Hindi & Gujarati
Nationality:	Indian
Marital Status:	Married
Current CTC:	8.75 lacs