ASHUTOSH PATTANAIK

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POWER PLANT (MAINTENANCE & PLANNING), B.O.E. Certified

**Seeking challenging assignments in the domain of Planning/Maintenance/Procurement with an organization of high repute**

**Professional Synopsis**



* A competent professional with around **15.6 years** of Experience in the Field of Planning, Mechanical Maintenance, Contract management, spares procurement of Thermal Power Plant & Cement plant. Presently spearheading functions as Sr. **Manager** – Maintenance & Planning with **M/s Power Mech Projects Limited, 4x600 MW TPP, Vedanta Limited, Jharsuguda, Odisha.**
* Planning and effectuating predictive & preventive maintenance schedules for various equipment to increase machine up time, shutdown activities & equipment reliability
* Implementing maintenance schedules and carrying out periodic checks to ensure performance of various equipment and maintaining requisite documents for the same
* Well versed with EnMS, IMS, ISO-9001, ISO-14001, OHSAS-18001, **ISO-55001**, British Safety Council standards, Total Productive Management, Process Safety Management and 5s, Occupational Health & Safety Assessment, Energy Management and Asset Management modules.
* Strong Commercial acumen, **coordinating and negotiating with the vendors** for cost effective purchase of spare parts and services while adhering to quality of incoming materials; experience in preparing check list, inspection & testing reports and other documents.
* Computer savvy with sound understanding of **MS-Offices, Lotus Notes, Gmail, Outlook, SAP PM, MM & PS module, MS Project & Primavera**.
* Functional expertise in handling the plant operations & maintenance with key focus on bottom line profitability by ensuring optimal utilization of resources along with coordination within departments and Head office.
* Proficiency in managing maintenance of various equipment for reducing downtime and OEE.
* Diligent communicator with strong relationship management, leadership skills & multi-tasking abilities and good team player for achieving aggressive tasks.
* **Passed BOE (Boiler Operation Engineers’ Examination) in the year 2014 from Madhya Pradesh state.**

**CORE COMPETENCIES**



MAINTENANCE PLANNING

* Planning and implementing proactive / predictive / preventive / shut down maintenance schedules for machinery so as to increase machine up-time / equipment reliability.
* Proactively identify areas of obstruction/ breakdowns and take steps to rectify the equipment through application of trouble shooting tools such as RCA, FMEA.
* Developing and implementing plans & schedules for annual overhauling and Annual Turn Around with focus on optimum utilization of manpower and material with **Primavera P6 8.4** and **M S Project**.

MAINTENANCE

* Looked after maintenance of boiler, auxiliaries like pumps, compressors, Chillers, Heat exchangers, Conveyors, pipelines, Ash evacuation & conveying systems, Fans, Bag filters, Scrapper conveyors, ESPs & Mills.
* Reviewing the operational practices, identify the areas of obstruction/ quality failures and work on system and process changes for qualitative improvement/ energy conservation.

VENDOR MANAGEMENT & CLIENT COMMUNICATION

* Conducting meetings with clients on regular basis, MOM preparation, circulation and follow up with different departments/sections/vendors associated with.
* Respond to client’s communication emails/letters based on contract agreement clauses regarding different KPIs.
* Raising monthly & incidental invoices to client, follow up for compliance and payment release, thereby ensuring smooth cash flow.
* Periodic discussions & negotiations with client regarding KPIs achieved vs targeted as per commercial obligations mentioned in contract.
* Techno-commercial scope finalization, tendering, negotiations, Purchase requisition & order placing, work plan preparation, work execution tracking, Billing & contract closure with all formalities as per guidelines.
* Ensuring Vendors’ invoice processing, work validation, entry sheets & payment on regular basis.

TEAM MANAGEMENT

* Leading, mentoring & monitoring the performance of team members to ensure efficiency in process operations and meeting of production targets.
* Reviewing employee performance and preparing annual training plan for maintenance department.

SAP PM:

* **Super user** and end user **trainer of SAP PM & MM Module**. Total of **13.5 Years** of experience in **SAP PM & MM**.
* Turn around planning using SAP PM. Currently working with **SAP HANA as planner, scheduler & MIS**.

**Occupational Contour**



* **Since July 2015 with M/s Power Mech Projects Limited, Manager Planning, Vedanta Limited, Jharsuguda, Odisha. Power Plant Capacity -: 4X600 MW**

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ROLES & RESPONSIBILITIES

* Planning, scheduling, supervising and execution of routine maintenance, preventive maintenance and overhauls of power plant equipment, such as Boiler Feed Pump, Condenser Vacuum Pumps, Different Heavy Duty Pumps and Valves, Heat Exchangers, and Different Purifier, compressors, chillers etc.
* Overhauling and periodical maintenance planning of cooling water pumps, vertical and horizontal pumps, dosing pump, screw pump etc.
* Participated in the alignment & mechanical seal setting of different rotary equipment, such as Boiler Feed Pumps, Lp drip pump Hydraulic Couplings, Condensate Pumps, and different type of pumps.
* Preparing SOP, SMP, HIRA, SWP, manuals & work instructions for maintenance and maintaining reports for facilitating decision making by the management and standardization of all plant activities...
* Planning and executing all maintenance activities in the Power Plant by optimum utilization of manpower and resources.
* Annual & capital overhauling planning in **MS project and Primavera P6 8.4**.
* Planning and sending the procurement requisitions of spares, tools, consumables and other necessary materials required during the maintenance of power plant to procurement department.
* **Asset management (AO) module owner and facilitator for IPP. Involvement in monthly audit and compliance.**
* Co-ordination with CBM team and maintenance team for implementation and analysis of CBM recommendation like Vibration monitoring, Oil analysis, Thermography & MCSA.
* Coordination with maintenance teams for emergency and for planned and breakdown maintenance
* Identifying areas of improvement and recommending corrective actions to bring back the project in track.
* Preparation of presentations, MIS and reporting to top management and Head office regarding updates in shutdown projects.
* Proactively identifying areas of obstructions/breakdowns and take steps to rectify the equipment.
* Preparation of pre-shutdown reports, post shutdown reports and key leaning reports and implementation of learnings in next shutdown.
* Instrumental in planning and execution of maintenance activity, Observing standard procedures for maintenance; and considerably reduced down time
* Formulating plan for inspection, shutdown jobs preparation & execution, breakdown analysis & action plans and preparation of annual maintenance plans
* Adhering to Safety, Environment and Health standards in all functional areas and developed & implemented measures for enhancing safety levels

HIGHLIGHTS

* Successfully handling maintenance & trouble shooting of mechanical systems including boiler shutdown, TG shutdown, Pressure parts replacement in boilers, Dampers overhauling/replacement, compressor overhaul/maintenance, Boiler feed pump overhaul/maintenance, cooling water pump overhaul/maintenance, coal crusher maintenance, coal screen maintenance , belt conveyor maintenance and other related jobs to maintenance of IPP
* Successfully accomplished 07 Nos. major overhauling for 600MW unit. All planning related activities like Bar chart preparation, Scheduling, Scope of work finalization, Vendor negotiation, Resource mobilization, Resource allocation, materials planning, Implementation of RCA, MOC, FMEA, Operation & efficiency guidelines & CBM recommendations, Daily tracking & rescheduling if required, Protocols preparation & commissioning tests, pre & post overhauling reports preparation & submission were accomplished.

**Previous Organization**



**Since Jan’2006 with M/s ACC Cement Ltd. Kymore, Madhya Pradesh as Dy. Manager (Maintenance)**

**Power Plant Capacity -: 2x25 MW (AFBC Boiler)**

ROLES & RESPONSIBILITIES

**Project:**

**Connect India Phase – 2a, ACC limited, Mumbai**

**SAP R/3 4.6C PM module Implementation & upgradation to ECC 6.0**

**Connect India project** was initiated by Holcim Services South Asia (HSSA) to upgrade ACC Limited from Oracle 6i to SAP 4.6. In the phase 1a SAP MM, FICO & SD module were introduced in the year 2006. In the project Phase 2a PM, MM, PP & PS module were introduced.

Key processes being mapped in PM are:

* General Maintenance, Breakdown Maintenance, Preventive Maintenance, Condition Based Maintenance, Refurbishment Process & investment order for CAPEX job execution.
* Master Data Collection.
* Structuring and managing technical objects (Functional Location and Equipment).
* Creation of BOM, Work centres, measuring points and counters.
* Creation of Notifications and Maintenance orders in Preventive and Breakdown maintenance.
* Creation of maintenance task lists and Preventive Maintenance Plans.
* Creation and Scheduling of Preventive Maintenance Plans.
* Post Go-Live support, troubleshooting & end user training.
* Training to newly recruits, promoted employees & refresher training to all users of SAP PM module.
* Successful end to end implementation of SAP PM at ACC limited.
* Exposure to up gradation project of SAP ERP R/3 4.6C to ECC 6.0
* **Imparted training to 700 end users of different roles in SAP PM in the year 2008 during post Go Live phase.**
* Worked as **Maintenance planner** for entire plant which include **Daily/Weekly planning**, **shutdown planning**, **Job scheduling**, **material planning** and **Job monitoring**.
* **Imparting refresher trainings on Weekly/Monthly basis to end users of different Plants in ACC Limited.**

**Work Profile:**

* Planning and sending the procurement requisitions of spares, tools, consumables and other necessary materials required during the maintenance of power plant to procurement department.
* Co-ordinate with maintenance personnel for ensuring violation, defect identification, work permit, trials and clearance of jobs prioritized by him.
* Coordination with maintenance teams for emergency and for planned and breakdown maintenance
* Identifying areas of improvement and recommending process modifications and equipment calibrations to enhance operational efficiencies of machine / equipment
* Planning and effecting preventive maintenance/ overhauling schedules of various machineries and equipment to increase machine up time and reliability.
* Proactively identifying areas of obstructions/breakdowns and take steps to rectify the equipment.
* Issue works permits to maintenance department and coordinates with them for equipment isolation and take trial run of equipment after shutdown work.
* Instrumental in planning and execution of maintenance activity, Observing standard procedures for maintenance; and considerably reduced down time
* Formulating plan for inspection, shutdown jobs preparation & execution, breakdown analysis & action plans and preparation of annual maintenance plans

MAINTENANCE HIGHLIGHTS

* Successfully handling maintenance & trouble shooting of mechanical systems including boiler shutdown, TG shutdown, Pressure parts replacement in boilers, Dampers overhauling/replacement, compressor overhaul/maintenance, Boiler feed pump overhaul/maintenance, cooling water pump overhaul/maintenance, coal crusher maintenance, coal screen maintenance , belt conveyor maintenance and other related jobs to maintenance of CPP
* Managing Operation and Maintenance of Coal plant(250 TPH), maintenance of boiler and turbine auxiliaries like BFP, CEP, CWP, ACWPP, Compressors, Blowers, Centralized AC Unit, Condenser And P&C System.
* Initiating shutdown planning and execution of TGs and boilers.
* April 2005 – Jan 2006 with **Gabriel India Limited,** Parwanoo, Himachal Pradesh**, as Operation Engineer**

**Academic Credentials**



**Pursuing B.Tech (5th Semester Mechanical Engg.) from BPUT, Odisha.**

**Diploma (Mechanical Engineering) 2004 from Jharsuguda Govt. Engg. School with 73.8%**

**Matriculation from Kakatpur Govt. High school in 1999 with 78.4%**

**IT Skills**



Computer Fundamental, Ms-office, MS-DOS, WINDOW-7, 10, Lotus Notes, Gmail, SAP, Primavera

**Training**



* Attained 2 days first aid training from M/s Safety circle.
* Attained 3 days training on “The 7 habits of highly effective people” from M/s Franklin Covey.
* Two months **Six Sigma white belt** training in quality & production at Anand University, Parwanoo.
* **Auto CAD 2004** at ACC Ltd, Kymore (The CADD Center, Bhopal)
* **SAP PM Module** Super user training at Thane, Connect India Project, By M/s TCS.
* Personality development training by ACC Limited at Thane complex.
* **MS Project 2007** by M/s Project planning institute, Kolkata
* Transport and de-dusting workshop at ACC Limited, Kymore
* **Primavera P6 8.4**
* **Trained more than 900 people across ACC in different roles and responsibilities of SAP PM & MM module.**

**Awards and Achievements**



* **BOE (Boiler Operation Engineers’ Examination) certificate.**
* NCC ‘B’ Certificate.
* Best Operating engineer for “Six sigma white belt training”.
* Unit level “innovate to Excel” Project award.
* SAP PM, MM & PS super user and trainer.

**Personal Dossier**



**Fathers Name :** Mr. Anil Kumar Pattanaik

**Date of Birth :** 1st Jan 1985

**Languages linguistics :** English, Hindi & Odia

**Present Address :** Flat No. A-508, Krishna Enclave apartment, At/Po: Sarbahal, Jharsuguda,

Odisha - 768201

**Permanent Address :** At-Tunda, Po:Postal, Cuttack, Odisha - 754018

**Passport No.** : P1347293, Validity – 02.02.2027

Date:

**ASHUTOSH PATTANAIK**

Place:

**References:** 1. Mr. J Kar, Ex Executive Director, NTPC Limited, Korba, CG, Mobile - 9650999977

2. Mr. Duryodhan Sahoo, AGM, HEMM, Dalmia Bharat Cement, Rajgangpur, 9437476390