

Prashant Kumar Sinha

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Address : C-8 ; Paper Mill Colony ; Ballarpur Industries Limited ; Yamunanagar ; Haryana – 135001

Qualification : B.E Mechanical, with 1st Division, From Amrawati University, Batch 1990-1994

SUMMARY :

BE Mechanical Engineer with 26 years of experience in Power Plant – Project Execution, Erection & Commissioning, and Operation & Maintenance.

Having exposure in CFBC, AFBC, travelling grate/stoker, biomass and super critical Boiler (660 MW) .

Worked in Power Plant of

Paper Industry : BILT & Century Pulp & Paper Mill

Cement Plant : Manikgarh Cement

Sugar Mill : IJT

Captive Power Plant : DLF Power Ltd

Super Critical Thermal Power Plant : L&T MHI - Mahagenco Project (3X660 MW)

Experience :

Mar 2018 to till date -- Manager – Power Plant -- Ballarpur Industries Limited -- Yamunanagar; Haryana.

Role : 24 MW Power Plant HOD

Manage the complete Power Plant Operation & maintenance function correctly and efficiently to generate reliable and environment friendly power and process steam to meet plant requirement.

Responsibility :

> Plan, Organize, Coordinate, Supervise, Monitor and Control. Operation & Maintenance activity at O&M site, for generating reliable power & process steam in cost effective manner to meet plant requirement as per guide line decided in Daily HOD morning meeting.

> Defining Goal, Planning, Establishing Strategy and developing sub-plans to coordinate operation and maintenance activity inline with HOD meeting in daily morning Department meeting.

> Review of Steam & water quality/chemistry and devising technical solution to maintain parameter in range given by boiler manufacturer standard.

> Review of Boiler & Turbine operation parameter and devising technical solution to control operation parameter in range given by original equipment manufacturer.

> Looking after day to day activities at O&M site, devising technical solution what, how and who to do. Coordinating with inter-department, resolve conflict. Guide, direct and motivate all individuals to execute their work.

- > Proactively identifying areas of breakdowns/Trips and taking steps to rectify the equipment through application of Tip analysis, why-why Analysis, troubleshooting tools, and devising technical solution.
- > Planning, Scheduling and coordinating with outer agency for equipment Annual Major Overhauling, Preventive maintenance and daily maintenance to assure equipment reliability & availability 100%.
- > Monitoring operation expenses in management information report, identifying efficiency gap and bridging them to improve in research way to reduce cost, ensuring plant operating at the highest efficiency possible.
- > Prepare and present MIS (management information report) within the guideline of company policy.
- > Liaising with government dignitaries - Director of Boiler (DIB) for Boiler annual Inspection, Pollution Control Board for Environment assessment, Jalnigam for water.

Accomplishment:

- > *SH Steam quality improved - Silica from 0.024 ppm to .018 ppm by suitable modifications in DM Plant process.*
- > *Fly ash un-burnt loss reduced - From 14% to 10% by why-why analysis & brain storming, improved grit re-firing system.*
- > *Boiler Operation expenses reduced - Coal Consumption for per ton of steam generation from 0.202 MT to 0.188 MT by research way, installed upgraded mechanical spreader and improved SA air.*
- > *Zero breaks down achieved by introducing Regular weekly/Auto maintenance, preventive maintenance and continuous improvement.*

Oct 2010 to Mar 2018 -- Asst. General Manager -- L&T MHI -- Nagpur ; Maharashtra.

Role : Commissioning In-charge for 3 X 660 MW Super critical thermal Power Plant.

Manage the complete Supper critical Boiler (660 MW), Equipment installation, Pre-commissioning, Commissioning and trial run as unit correctly and efficiently to generate power as per contract and company policy.

Responsibility :

- > Providing Technical and managerial leadership for satisfactory completion of Project within time and cost budgets.
- > Monitoring, Controlling and reviewing commissioning activity to ensured that they are accomplished as per plan.
- > Planned L3 level schedule in primavera.
- > Planed inputs, manpower & prepared procedure for start-up activities & major milestones (Hydro test, chemical cleaning, steam blow, synchronisation, load up, demonstration tests, etc.)
- > Prepared detail specifications of equipment as per contract based on P&I drawings to obtain firm construction bids from Contractors and Equipment Vendors.

- > Supervised Installation, Pre-Commissioning & Commissioning of Equipment's as per original equipment manufacturer given guide line, followed by trial runs.
- > Attended Mechanical completion & system handover joint walk down.
- > Managed closeout of punch list items for the projects

Accomplishment:

- > Prepared L3 schedule - Developed high level plan of commissioning activities with respect to erection and minimised Boiler Erection & commissioning as reasonably possible.
- > Initiated, prepared and supervised on-the-job training as per contract.

Aug 2006 to Oct 2010 -- Manager -- ISGEC John Thompson -- Noida ; Uttar Pradesh.

Role : Site In charge for the following Projects

- > Mumias Sugar Company Limited; Kenya (East Africa); (Overseas Project)
 - Travelling Grate Boiler ; 1 X 170 TPH ; 87 kg/cm² (g) ; 510+5 degree Celsius.
- > Bhusan Energy Pvt. Ltd; Meramunduli, Anugul, (Orissa)
 - CFBC Boiler ; 4x250 TPH ; 105 kg/cm² (g) ; 510+5 degree Celsius.
- > Gangakhed Sugar & Energy limited, Gangakhed (Maharashtra)
 - Travelling Grate Boiler ; 1 X 170 TPH ; 87 kg/cm² (g) ; 510+5 degree Celsius.
- > Dwarikesh Sugar Industries Limited; Barailey (UP)
 - Travelling Grate Boiler ; 2 X 90 TPH ; 87 kg/cm² (g) ; 510+5 degree Celsius.
- > Bajaj Hindustan Limited, Sugar Mill; Philibhit,(UP)
 - Dumping grate Boiler ; 2x90 TPH ; 45 kg/cm² (g) ; 420+5 degree Celsius.

Responsibility :

- > Ensured effective site management & discipline, safe & timely execution of the projects.
- > Managed and monitored the Implementation of safety measures, ensured use of all PEE by employee and contractor's staffs, Housekeeping activities in the project.
- > Planning Defining goal establishing strategy and developing sub-plans to coordinate activities as per L3 Schedule
- > Organizing Determining what need to be done, how will it be done with respect to drawing.
- > Controlling and monitoring the activities.
- > Identified project bottlenecks and undertook corrective measures.
- > Managed the completion progress throughout the project with an eye towards schedule efficiency
- > Resolved interpersonal issues & worked in a harmonious work environment

Accomplishment:

- > Increased Customer satisfaction on resolving Bagasse Drum feeder frequent jamming by suitable modification in Bajaj Sugar & Mumias Sugar project
- > Travelling grate zero break down achieved by research way in Seohara Sugar, Dwarikesh Sugar, Purti Sakar karkhana, Gangakhed sugar and Mumias sugar project.

Dec 2003 to Aug 2006 -- Dy. Manager -- Manikgarh Cement -- Gadchandur; Maharashtra.

Role : 15 MW Power Plant Operation & Maintenance In charge

Responsibility :

- >Monitoring Power Generation and ensuring plant operating at the highest efficiency possible.
- > Monitoring and Controlling maintenance expenses, estimating maintenance job expenses.
- > Assuring equipment reliability & 100% availability, Planning & scheduling power plant equipment maintenance.
- > Supervising daily maintenance activity.

Sep 1998 to Dec 2003 -- Engineer -- DLF Power Limited -- Rajrappa; Jharkhand.

Role : As Lead Mechanical Engineer for 3 X 11 MW Thermal Power Plants.

Responsibility :

- >Manpower planning & deputation to ensure timely execution of AFBC Boiler & D M Plant erection, as per given L3 schedule.
- > coordinating with project management & purchase department for AFBC Boiler & D M Plant Store Inventory.
- > Mechanical Quality compliances and punch point closer.
- > AFBC Boiler commissioning. (3 X 50 TPH, 46 kg/cm²; 420oC)
- > Monitoring and controlling AFBC Boiler Operation as per Boiler manufacturer given guide line.
- > Plan, Organize, Execute, Monitor and Control maintenance job.

Nov 1994 to Sep 1998 -- Engineer -- Century Pulp & Paper Mill -- Lalkua; Uttrarakhand.

Role : Shift In-charge for 21 MW Captive Thermal Power Plant

Responsibility :

- > Monitoring Power & Steam Generation in shift, as per given guide line.
- > Monitoring AFBC Boiler & BHEL Double extraction cum condensing Turbine operation parameter in shift, as per original equipment manufacturer given standard.
- > Supervising Maintenance job in shift.

(PRASHANT KUMAR SINHA)