



MAYUR MUKATY

✉: mayurmukaty55@gmail.com

☎: 9145912235

Functional Area: Operation & Maintenance

Industry Preference: Power Generation

Location Preference: Any Where in India

PROFILE SUMMARY

- A dynamic individual with **Over 4 year** of experience As well as Executive Training **In Thermal power plant technology in NPTI Badarpur (Gov. Of Power Ministry,India)** having Responsible for Operations of Turbine/Boiler of Sichuan Chuanguo Boiler Co.Ltd and ISGEC John Thompson Ltd. (IJT) of Troubleshooting, Root Cause Analysis, and Preventive Maintenance,
- Currently associated with Shree Cement Mega Power Ltd. As a Senior Process Engineer
- Expertise in Different capacity of boiler such as **495TPH, 432THP, 215TPH, 235TPH** Boiler/Turbine DCS Operation and commissioning by follow of SOP, Handling Emergencies , suggesting the higher hierarchy of the equipment/parts to attain Higher overall Plant Efficiency and Achieve 100% PLF.
- Possess sound knowledge of Thermodynamics & FluidMechanics, Special Technique use for emission control method, Advance Class steam Manufacture Turbines of BHEL-Frame 9FA+e And Qingdao Jieneng Steam Turbine; 22Mcal/hr DLN2+ burners for Low NOx, RODM Plant, VFD system.
- A keen communicator with honed interpersonal, analytical and problem solving skills

ORGANIZATIONAL EXPERIENCE

Since May'2017 Shree Cement Mega Power Ltd, Ajmer(Rajasthan) as Senior Process Engineer

Key Result Areas:

- Managing the operations of **495 TPH CVL** Boiler/Turbine in cold, warm and hot start-up as well as plant shutdown As per Design Curve
- Responsible for monthly progress report Regards Process Action plans, KRA Report, Rolling Sheet, and Why why Analysis
- Handling Projects on Flue gas desulphurisation System Nozzle Modification, Lime Handling Cost Optimisation, ESP Shock pad Modification, Differential Pressure Reduction Across AQC Boiler for Maintenance Downtime Reduction, Fins Cleaning System Modification
- Maintain the Actual Generation/Schedule generation as per new ABT guidelines & Specific Steam consumption,Continues Watching the condensed water and feed water chemistry and Dm water Makeup%.
- Preparing and maintaining project documentation; updating changes and improvements in the same
- Implementing systems, processes & procedures to facilitate smooth functioning of process and enhance operational efficiency, Knowledge of Fire protection and LOTO system

Since Jul'14 ACB India Ltd., Korba(Chhattisgarh) as O & M Engineer

Key Result Areas:

- Responsible for Smooth running of **215 TPH,IJT and 235 TPH, Sichuan Chuanguo Boiler Co.Ltd** Boiler/Turbine with keeping all the parameters normal and safety measures to achieve Zero Breakdown
- Assist Turbine/Boiler Operators in field for proper & smooth running of turbine/boilers with all safety measures.
- Responsible for Logic checking of Boiler & TG protection system
- Responsible for Trial run, testing & adjustment of various HT and LT drives
- Directing regular analysis for low down the unburnt carbon loss on bed and fly Ash
- Responsible for Boiler Commissioning Activity such as Hydro test, Furnace Dry out Process, Alkali boil-out , steam Blowing
- Responsible for Minimised the Vibration By adjusting of Various turbine Parameters.
- Ensuring adherence to time, cost and quality standards throughout with follows Rules and Policy of Industrial Safety

Highlights:

- Responsible for commissioning of Safety Valve setting
- Responsible for commissioning of Pocket feeder for Online Bed charging
- Improved Terminal Temperature difference & Drain cooler Approach of HPH, LPH & De-aerator.
- Minimised flu gas temperature, bad and fly ash Unburnt carbon losses
- Performing test on boiler for Flu gas leakages, APH air tightness test, ESP DP test as well as Electrode and collecting Rapping System commissioning
- Commissioning of PA,SA and ID fan as per Design as well as Performing Air flow test
- Responsible for Generator Rotor Rack-in and Out Process, Turbine Bearing Alignment and Coupling Adjustment
- Performing Hydro test on lub. oil system as well flushing by adopting thermal shock Methodology.
- Reduced soft water consumption for cooling water.
- Executed cost saving and energy saving techniques/measures and modifications to achieve substantial reduction in O&M expenditures and work within the budget

PROJECTS

Project Name	Minimisation of Unburnt Carbon losses in Bottom and fly ash
Project Cost	1.8 Crore
Project Time Bound / Pay Back Period	188 Days
Project Team Members	6
Responsibilities	Lead Project Engineer, Cost analysis, installation and safety Priorities As result to increases boiler efficiency by 2.2 % i.e saving 3.18 Crore Annually

ACADEMIC PROJECTS

Institute: NPTI, Badarpur
Team Members: 4
Role: Technical Co-ordinate

Responsibilities:

- Analysed cooling tower losses, minimised CBD and evaporation losses
- Calculated and improved cooling tower design
- Minimised Cycle of concentration value of cooling tower up to 6.
- Closely observed different parameters and upgraded on drift reflectors and fines design

TRAININGS

Institute: NPTI Faridabad
Capacity: 500MW
Period: 12 days

Description:

- The aim of the training was to study the complete familiarisation about simulator panel and work on different Desks for Analysis of Best Practices of Critical Situations Arises during Operation

Institute: NTPC, Badarpur, New Delhi
Capacity: 705MW
Period: 6 months

Description:

- Gained knowledge about Power Plant Protection, Power Plant Familiarisation, Power Plant Operation, Erection, Commissioning & Construction Management, Power Plant Performance & Efficiency Calculation, Power Plant Chemistry, NDT & Welding, and Maintenance Practice & Inspection Design Analysis. Power Plant Scheme Tracing, Rotation On-job training in Operations and Maintenance

Institute: Pragati Power Corp. (PPCL)
Capacity: (1500MW) (4*250MW GTS) (2*250MW STS)
Period: 2 month

Institute: BHEL Haridwar, Uttarakhand

Duration: 15 days

Description: Got Knowledge about state of art technique used in blade design, material and internal parts

AWARD

Got 'Operation Excellence' Award for Successful achieving of COD (Commercial operation Date) on 9th December 2016

PROGRAM/CONFERENCE

- Attended Solar Energy Corporation of India Conference on Off-grid Solar and Decentralised Solar PV System
- PACE-D Technical assistance program in Advanced Technology and Best Practice for Supercritical Thermal Power Plant (Government of India)

INTERNSHIP

- Internship Done on Human Machine Interference from IIT Shine, Mumbai

LICENTATE

- AutoCAD from Bicard, Pune, Excel, Microsoft word

ACADEMIC DETAILS

- **PGDC from NPTI, Badarpur**, New Delhi with **72.57%** in 2014
- **B.Tech. (Mechanical Engineering)** from Rungta College of Engineering, Bhilai in 2013 with **70%**
- 12th from IRA International School, Nagpur, CBSE Board in 2009 with **67%**
- 10th from KV New Majri, Chandrapur, CBSE Board in 2007 with **70.40%**

EXTRACURRICULAR ACTIVITIES

- Bagged:
 - 1st rank in Badminton Game in Regional Level Championship in the 2012 year
 - National level Award (Rajya Puruskar) in Scout and Guide for Leadership in the 2009 year

PERSONAL DETAILS

Date of Birth: 03June1991
Languages Known: English & Hindi
Mailing Address: Shubhas Ward Plot No.: 29/30 Baheti Colony, Harda State, Madhya Pradesh