

Naimatullah Khushk

Karachi, Sindh; +92 3402995627 ;+923190002133 naimatullah12me@gmail.com

www.linkedin.com/in/naimatullah-khushk-961a66153

Mechanical Maintenance Engineer

EDUCATION

Mehran University of Engineering and Technology, Jamshoro
Master of Engineering, Mechanical – Energy Systems Engineering

December 2021

GPA 3.38

Mehran University of Engineering and Technology, Jamshoro
Bachelor of Engineering, Mechanical

December 2016

62%, First Division

SKILLS SUMMARY

Proficient in ***Boiler equipment maintenance***, including PA, SA, ID, HP Fans, Soot Blowers, Steam Drum, Slag Coolers, Coal Feeders, APH (Air Preheater), Furnace, Cyclone Separator, Economizer, Oil guns its working & maintenance, Limestone conveying system and limestone Fans / blowers' maintenance, Feeding, Delivering and dozers working and its maintenance, Bed Material feeding system & its Maintenance, Auxiliary Boiler its working & Maintenance, Pumps & Valves used on the site its working & Overhauling, Bucket chain conveyor & bucket chain elevator and Ash Conveying System. Knowledgeable about Bottom ASH & Fly ASH Conveying Systems, Fuel Supply System, belt vulcanization / belt joints, mesh gear systems, electrostatic precipitator (ESP) working system & maintenance, bearings used on-site. Experienced in online Calibration of PSV Valves. Familiar with tube thickness measurements like DFT & UT (Dry film thickness DFT & ultrasonic thickness of tubes UT) & UFD test (Ultrasonic flow dedication test). Skilled in Sand Blasting & Hard Face Coating of Tubes, RT Test (Radiography test) of joints and Dye Penetrating Test (DPT).

PROFESSIONAL EXPERIENCE

Boiler Fuel Handling Assistant Manager

China Power HUB Operating Company (Private) Limited

November 2024– Present

- Team Management Managing team routine Inspection, operation & maintenance of the equipment.
- Prepared training Plan of the employees.
- Evaluating the team performance and individuals' performance.
- Effect communication with the operation department for the smooth operation of the Plant.
- Scheduling Staff rotation / Leave Plan to ensure adequate manpower on the site.
- Ensuring the quality of the work.
- Addressing any operational issue and finding solutions in a timely manner.
- Root Cause Analysis reports of the equipment failures.
- In the Absence of Manager, take all the responsibilities of manager.
- Attending daily & weekly meetings and handling reports.

Boiler Maintenance Engineer

China Huadian Power Plant Operation Co, Ltd, Islamot, Pakistan

May 2018 – October 2024

Maintenance Responsibilities

- Leading team, managing the day-to-day mechanical maintenance work, coordinating with involved interfaces to implement the reliability-based maintenance strategy.
- Contributed in preparation and implementation of departmental Maintenance documentation including Preventive Maintenance plans, Job procedures, monthly reports, QA test reports and Maintenance procedure.

- Planned and Unplanned Scheduled Maintenance, Responded to Breakdowns, diagnosed faults, Repairing work of the equipment equipment.
- Actively participated in planned & unplanned shutdowns and also in Emergency situation.
- Accountable for tool and equipment stocks and prepared monthly and QA test reports.
- Contribution in updating and organizing maintenance manual and CAD drawings.
- Evaluating breakdowns and malfunctions to identify causes and implement preventive measures for the future
- Organized and directed maintenance shutdowns, turnovers, and startups.
- Contributed to annual team member assessments, offering improvement suggestions, and delivering targeted training based on Training Needs Analysis (TNA).
- Maintained safety records, inspections, and procedures as per regulations.
- Inspection and monitoring of mechanical equipment to provide continuous & safe operation of power plant.
- Prepared Scheduled and Unscheduled outage reports.
- Prepared weekly & monthly reports related to maintenance work.
- Familiar with the Condition monitoring reports of the critical Equipment's.
- Prepared condition monitoring reports.
- Familiar with boiler tubes & boiler tubes replacement.
- Familiar with the refractory repair work.
- Familiar with the Boiler Body Thermography.
- Familiar with the PA & ID fan lube oil station & lube oil station equipment's.
- Familiar with the coal feeder belt vulcanization / belt joint.
- Familiar with the PWHT (Post weld heat treatment).
- Prepared & Aware about JSEA (Job Safety Environmental Analysis) document.
- Familiar with MIS System (Management Information System).
- Familiar with the coal / fuel conveying system.
- Familiar with the Dust collectors.
- Familiar with the Micro Fogging System on the coal conveyor belts to avoid dust suppression into the atmosphere.
- Familiar with the coal mills.
- Familiar with the coal crusher & Roller Screen.
- Familiar with the electric power hoist cranes.
- Familiar with Valves passing issues & its maintenance.
- Familiar with the ERV Valves overhauling.

Commissioning Responsibilities:

During Commissioning of the Thermal Power plant participated in following activities:

- Hydrostatic Test.
- Boiler Expansion.
- Refractory Dry Out (Low, Medium and High Temperature).
- Boiler Air Leakage Test.
- Bed Material Fluidization Test.
- PSV Adjustment Test.
- Soot Blower pressure adjustment Test.

China Huadian Operations Company, China

June 2018 – Nov 2018

Trainee Engineer

- Successfully completed a 6-month Operations and Maintenance (O&M) training program, focusing on a 2x330 MW coal-fired power plant.
- Additionally, received academic training from senior power plant professionals, focusing on the safe and reliable operation of CFB (Sub-Critical) Boiler, Steam Turbine, and Electrical systems.
- Received on-site job training at QINGSHUIHE POWER PLANT, gaining practical experience in the operation of Boiler, Turbine, Electrical, Chemical Water Treatment, Condensate Polishing system, and Coal Handling System.

ACHIEVEMENTS

- Key contributor to A-level, B-level, and C-level maintenance at the 2x330MW CFB Power Plant.
- Received Outstanding Employee and Best Employee of the Year awards in the maintenance department.
- Contributed to achieving 5 million safe hours at EPTL site.
- Member of the Green Office Committee.
- Played a vital role in achieving a project TRIR of 0.17.

TRAININGS & CERTIFICATIONS

- Certified in Operations & Maintenance of a 2x330 MW coal-fired power plant, with 6 months training at Guizhou Training Center, CHD Power Operations Company, China (2018).
- Received one-day training on bearings by SKF Corporation.
- Completed IOSH safety course at APTEC Centre, Hyderabad.
- Conducted On-Site & In-House HSE awareness sessions covering topics like Mechanical work Safety, work permits, Fire safety, PSSR, safe work practices, and Sand Blasting.