

FAIZALL S AHMAD

Phone # : 9962904102

Email id : faisalahmedmech@yahoo.co.in

Address :15 b senthil nagar Chennai 118

Professional Profile

MECHANICAL ENGINEERING

A dynamic and skilled professional offering over 5+ years of experience in Mechanical/Industrial Engineering including wide knowledge of handling and executing projects and to perform maintenance, repairs and services of electrical machinery and equipment to ensure efficient operation and reduce production down time.

- ✓ Qualified B.E. (Mechanical Engineering) from Panimalar Engineering College, India.
- ✓ Proven track record of altering and modifying design to meet requirements and to eliminate malfunctions and also estimating budget and scope of project.
- ✓ Demonstrated abilities at efficiently analyzing problems to see how mechanical and thermal devices might help solve the problem.
- ✓ Possesses sound knowledge regarding Power plants and highly recognized for managing and working with complex competitive projects and delivering them successfully on time.
- ✓ Prepare reports and documents and evaluate theoretical designs.
- ✓ A strong team player with excellent analytical, problem solving and interpersonal skills.

Professional Enhancement

Work Experience

2012 – 2015

Raissy	Trading	Co.	as	Mechanical	Engineer(Power	Plants)
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Key Deliverables:

- ✓ Co-ordination of the maintenance activities with Operation and the specialty maintenance departments (mechanical, electrical and I&C)
- ✓ Carrying out mechanical maintenance of turbine and its interfacing components with preventive and corrective maintenance.
- ✓ Compilation of operation and/or maintenance planning and respective procedures.
- ✓ Implementation of Operating procedures and control of operating and maintenance measures
- ✓ Operation of the power plant in accordance to the instructions of the load dispatcher, the respective manuals and the applicable regulations.
- ✓ Planning ,scheduling and co ordination of outages and repair measures with operation and maintenance department and reporting on asset condition and plant performance.
- ✓ Preparation and implementation of EHS-Procedures.
- ✓ Compilation and control of the operation and/or maintenance budget.
- ✓ Reporting on operation and maintenance activities in plant/equipment status.

- ✓ Application and improvement of a CMMS.
- ✓ Securing of the safety for staff and plant during day to day maintenance and/operation as well as during start up and shut down and repair measures.
- ✓ Ensures timely preventive, corrective and breakdown maintenance repairs, with minimum direction and supervision, (including “on call” duties, as and when required), to restore the mechanical systems.
- ✓ Has clear understanding of relevant methods and procedures - including associated risks - and selects the required tools and equipment to complete such works in a safe and effective manner.
- ✓ Carries out maintenance works in adherence with EHS standards and plant operating requirements, to minimise workplace accidents / inquiries.
- ✓ Monitors repeated breakdowns and suggests and implements proper resolutions to avoid recurrence of similar problems.
- ✓ Reads and understands mechanical drawings and job instructions from immediate supervisor.
- ✓ Ensures that all maintenance work is carried out in accordance with safety procedures and plant operational requirements.
- ✓ Preservation of the plant availability and performance.
- ✓ Securing of the availability of spares in co-operation with the warehouse and the Technical Office.
- ✓ Management of workshop and related equipment, tools and tackles.
- ✓ Responsible and initiated for kick off meeting
- ✓ Estimating disciplined manhours for EPC projects
- ✓ Responsible for site safety and safety meetings held daily before starting up of work and precautions has been taken into consideration.
- ✓ Review technical bids from suppliers & technical follow up of supplier order ,drawings and documents
- ✓ Do inspection of work done with pre approved vendors list and also get final approval and handover of fabricated works from starting to end phase.
- ✓ System engineering and DCS operations and controls are well versed.
- ✓ Handle EOT cranes, balance the Rotary equipments and alignment systems as well as exhaust systems modifications and experience in assembly section (turbine blade, rotor and casing).
- ✓ FAT testing will be done.
- ✓ Do maintenance of history cards as per specifications for all equipments, proper checking of daily check list of all equipments& preparing monthly preventive maintenance of all equipments.
- ✓ Can do hardware engineering of GTS (gas turbine solution) control and also have experience in DCS/PLC control system
- ✓ Take care of DCS operation in AFBC & WHR Boilers as well as handle operation members in shift; responsible for the safe and systematic start up and shut down of the units
- ✓ Maintain design parameters of AFBC Boiler and WHR Boiler (waste heat recovery), Turbine, and Trouble shooting. Recording day Generation, coal consumption, Heat rate & efficiency, etc.

Projects Handled:

Project Name: *Implementation of Technical Information letter (TIL) from GE frame 6 and Ladder installation in Gas Turbine Unit -6 (CCGT) in Najran, Saudi Arabia*

Role:

- ✓ Has been assisted in Installation of ladder from the ground and platform at the exhaust region with considering design and safety parameters.
- ✓ Did checking status of auxiliary supply stations, auxiliary running equipments and DG sets as well as maintaining log books and raising mode notes.

- ✓ Responsible for installation and commissioning of rotating and static equipments on new cryogenic air separation plant projects (compressors, pumps, blowers, cooling towers)

Project Name: *Installation of Cladding sheets and Change of Valves in Deaerator in Power plant 9 (PP9) Riyadh, Saudi Arabia Units- 6, 7, 8 block A&B GE turbines (CCGT)*

Role:

- ✓ Has worked on Gas engines 2MW capacity and 500Kw electrical motors.
- ✓ Did checking healthiness of fire fighting equipments emergency siren, first aid system and safety related equipments; modifying pressure values, relief values, Inlet values as per drawing specifications.
- ✓ Monitor the progress, recording test results, witness final testing and acceptance of equipment

Project Name: *Has worked on Combined cycle powerplant 2 GE frame 7FA and 1 GE D-11 Steam Turbine*

Role:

- ✓ Developed plant operating procedures along with standard operating manual
- ✓ Worked with Bop, Mechanical start up, ABB HRSG's, feed water, condensate, natural gas, closed cooling water systems HRSG chemical cleaning, steam blow
- ✓ System walk down to identify mechanical punch list system and ensure safe testing and commission of equipments

Project Name: *Duct and Duct lining works with installation new insulations at the exhaust and plenum area in Power plant- 9 (CCGT), 5 and Power plant 4 (OGT) with covering many Gas turbine units, (GE) Riyadh, Qassim, Queryah, Al Jouf Saudi Arabia*

Role:

- ✓ Involved in duct lining works inside and outside with removing old and damaged insulations and providing them with new insulations and SS sheets.
- ✓ Make sure all systems designed, installed, tested, operated and maintained according to operational requirements of final client
- ✓ Tasked with lining out craft for start up activities.

Project Name: *Installation of Fuel Management Building C6 Gas Turbine (GT) and coalescer filter in Power plant-8*

Role:

- ✓ Has deal with installations and maintenance of Hitachi multistage centrifugal compressor, multi stage Centrifugal pumps/vertical pumps of various manufacturers flowserve, sulzar, finder pompe etc.
- ✓ Assisted in the erection, installation and commissioned of newly constructed fuel management building system as per design layout and specifications.
- ✓ Efficiently managing abnormal conditions on boiler and turbine and load management through DCS on basis of requirement.

Previous Employment

2010 – 2012

Nelcast Limited as Graduate Trainee Engineer (Manufacturing/Production)



Key Deliverables:

- ✓ Has been in Product life cycle management (PLM), from which raw material to finished product
- ✓ Deeper understanding on organization manufacturing practices and implementing them
- ✓ Providing **design support and in cross functional process of manufacturing product** with other departments and also designing core box, pattern boxes and its modifications.

- ✓ Organizing and leading bid clarification and other engineering meetings
- ✓ Has taken part in **Lean manufacturing** process and successfully implemented
- ✓ Involved in cost reduction, cost optimization and allocation of resources made using MS Planning software
- ✓ Receive construction materials and inspections with its test certificates for rebars and steels and validate it; check with its dimensions and gauges.
- ✓ Has deep knowledge on metallurgical studies on materials, alloys and its composition
- ✓ Has implemented **KAIZEN**, **5S** activities
- ✓ Preparing technical specifications, material requisitions and evaluations
- ✓ Responsible for planning of day to day casting activities as per PP&C log sheets
- ✓ Design of Core box, pattern boxes and its modifications
- ✓ Preparing **control plan** and **FMEA** reports.
- ✓ FAT testing will be done.
- ✓ Has been assisting in new product development projects.
- ✓ Responsible of implementation and sustaining fool proof techniques and other safety measures during manufacturing process

Scholastic

2010B.E. (Mechanical Engineering) from Panimalar Engineering College, India

2016-Pursuing MBA (Oil and Gas Management) from UPES, Dehradun.

2012-Registered member in Saudi Council of Engineers (SCE)



Certifications

- ✓ Successfully completed **level II** Certification **DETD/NDT/16/RT 637, DETD/NDT/16/UT 639 (2016-2021)**
- ✓ Has undergone quality audit workshop **QMS (Quality management systems) LEAD AUDITOR** for internal auditing
- ✓ Has taken training on **CSWIP 3.1 welding** certification.
- ✓ Has undergone workshops on Lean manufacturing from MSME, govt of India
- ✓ Completed 3 months training on **HVAC Designing** and Drafting @ MEP institute

Technical Skills

- Well versed with Windows, Flowserve, **SAP PM(PLANT MAINTENANCE)/MM(MATERIAL MANAGEMENT)**, PDMS, Primavera V6, MS Office and Internet Applications.

Personal Snippets

Date of Birth : 15th July 1989
 Languages Known : English, Arabic, Hindi, Tamil
