

200004-MEC-18OS-E-2004
Mechanical Commissioning Engineer

Holds B. Sc. in Mechanical Engineering and has more than 12 years of experience in Project Management for Thermal, Combined Cycle and Biomass based Power Plant in India and Middle East.

PERSONAL DATA

Nationality : Indian
Birth Date : 28/12/1979
Gender : Male
Marital Status : Married

EDUCATION

: B.Tech, Mechanical Engineer, IIT Delhi, New Delhi, 2004
: Maa Bharti Senior Secondary School, Kota, Rajasthan, 1996

LANGUAGES

English : Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet
: MS Project
: AutoCAD
: PVsyst

TRAINING COURSES AND CERTIFICATIONS

: ASNT Level II, from MSME (Nov. 2020).
: Solar PV design, installation, commissioning and O&M training from Gujarat Institute of Solar Energy (GISE), Ministry of Micro, Small & Medium Enterprises (MSME) and iAcharya (Jul. 2017).
: Post-Graduation Diploma in piping design and construction, Trinity Academy of Professional Training, Pune, Maharashtra (Jan. 2009 – Apr. 2009): Pipe sizing, Material selection, Stress calculations, Layout, MTO, BOM, Isometric preparation.
: Hazop Study, Telos Consultancy Services (P) Ltd, Ratnagiri, Maharashtra (2007): Hazop study of power plants.

CHRONOLOGICAL EXPERIENCE RECORD

Date : From 2017 till 2020
Employer : Larsen & Tuobro - S & L, Vadodara
Project : Mary-3 CCPP, 1574 MW, Turkmenistan
Job title : Mechanical Commissioning Engineer
Job Description :

- Commissioning of CCPP and Project Management Consultancy Services.
- Provided PMC services for Lenders in PPGCL and Nagai Thermal Power Plant.
- “Cost to Complete” study for LAPL, Korba.
- Worked as a lender's engineer at 2x660MW JITPL, Angul.
- Completed the study of SPOF for Nomac, for their Oman project.
- Commissioning of Calik Enerji's 1572MW gas-based power plant in Turkmenistan (GE 9FA Gas Turbine):
 - Prepared the commissioning procedure for BOP systems.
 - Reviewed the Chemical cleaning and Steam Blowing procedure.
 - Prepared the maintenance schedule for rotary equipment.
 - Coordinating the various commissioning activities.
 - Documentation of commissioning activities.
 - Actively participated in performance testing of WTP, DM Plant and CCPP.

Date : From 2015 till 2016
Employer : Banswara Biomass Energy Pvt Ltd, Banswara
Job title : Plant Head (DGM)
Job Description :

- Recruited to provide a base frame to the company in making various policies, bookkeeping habits, records, team building, liasioning with Govt. agencies apart from technical support in site activities.
- Coordination with Govt. agency to get the permission for power connection and bore well.
- Get the quotations and preparation of comparisons for transformer and mobile weighbridge.
- Preparation of project schedule.
- Follow up the construction activities and preparation of Weekly and Monthly reports.
- Review of construction drawings.
- Addressed the agitation of local people.
- Survey of fields and identifying the land for storage yard.
- Proposal for fuel collection strategy.
- Preparation of various policies and formats to help in building the system.
- Root cause analysis of the issues at site.

Date : From 2013 till 2015
Employer : Samsung C&T
Project : Qurayyah Independent Power Plant (TCE), KSA
Job title : Mechanical Commissioning Consultant

Job Description :

- Hired as a Mechanical Consultant for the commissioning of BOP and water & steam cycle in 3925MW Qurayyah Independent Power Plant (QIPP) at Saudi Arabia.
- The commissioning of Fuel oil system:
 - Being a lead engineer, I completed fuel oil flushing for 12nos. GTs.
 - Monitoring of flushing activities and inspection of strainers.
 - Restoration of fuel oil system and troubleshooting.
 - Documentation (CCC) of Fuel oil System.
- Water-Steam cycle:
 - Monitored lube oil flushing for BFPs.
 - Solo, Heat run test of pumps and motors and system functional test.
 - System walk down for commissioning and initial startup.
 - Monitoring of Steam blowing.
 - Mechanical troubleshooting.
 - Preparation of commissioning handover documents (CCC).
 - Carry out predictive maintenance.

Date : From 2012 till 2013

Employer : Lansh Engineering Pvt. Ltd, Mumbai

Job title : Manager (Projects)

Job Description :

- Joined the industry, to manage an EPC project of “Hot Water System” with ASME certification of pressure vessels.
- Being a single point contact person for consultants and clients resolving all engineering, procurement and execution related queries.
- Preparation of project schedule (L3).
- Preparation of Weekly and Monthly progress report.
- Responsible for meeting the project goals in terms of schedule, cost and performance.
- Keeping coordination among the Engineering, Procurement and Production dept. to meet the project deadline.
- Conducting site visits to resolve engineering issues, team building and work distribution.

Date : From 2010 till 2012

Employer : Steag Energy Services (India) Pvt. Ltd, Surat

Project : 350MW CCPP and existing 150MW CCPP

Job title : Shift Engineer (Operation)

Job Description :

- Employed in the O&M company for their new project of 350MW CCPP and existing 150MW CCPP. I was responsible for handling the smooth start-up and operation of 501MW CCPP.
- Daily gas nomination and imbalance management.
- Monitoring the daily generation as per SLDC schedule and regular communication for the availability of the plant.
- Supervised various erection and commissioning activities of 350MW CCPP (GE 9FA).
- Coordinated hydro testing of HP, IP and LP circuit of HRSG.
- Collected technical details for the equipment.
- Monitored lube oil flushing of GT, ST and BFP.
- Recorded protocols for various activities in the project.
- Monitored the detergent flushing and Alkali Boil-out of HRSG.

- Monitored the steam blowing of HP, IP and LP circuits.

Date : From 2009 till 2010
Employer : Hyundai Heavy Industries Ltd, Bahrain
Project : Aldur IPP 1350MW Combined Cycle Power Plant
Job title : Mechanical Commissioning Engineer
Job Description :

- Appointed for Pre-commissioning and Commissioning of 1350MW Combined Cycle Power Plant. Independently performed Pre-commissioning activities for GE Make, Frame 9FA gas turbine such as charging of H2 gas in Generator, CO2 concentration test, Lube & Lift oil commissioning, IGV Calibration and Turbine water washing. Successfully completed the commissioning of a gas turbine with minimal teething problems in my first ever CCPP.
- Completed pre-commissioning of the Gas turbine in 15 days.
- Minimized Hydrogen gas leakages from Generator from 20m3/day to 6m3/Day.
- Prepared and executed Operating manual and starting checklist for Gas Turbines.
- Given Training to field operators to improve their technical skills resulting in higher output.

Date : From 2007 till 2009
Employer : Finolex Industries Ltd., Ratnagiri
Project : 43MW Thermal Power Project
Job title : Asst. Manager, CPP
Job Description :

- Engaged in preparing schedule for 43MW Thermal Power Project, preparation of BOM for HP and LP piping, Erection and Testing of Condenser, Erection of Turbine and Boiler auxiliaries, Fabrication, erection and NDT of LP & HP piping and HAZOP study of complete power block.
- Completed water cooled condenser erection and testing within stipulated time.
- Project monitoring as per the project schedule and highlighting the bottle neck to crash the project.
- Erected and commissioned desalination plant.
- Steam turbine lube oil flushing, HP, LP piping construction.
- AFBC erection and hydro testing.

Date : From 2005 till 2007
Employer : Jubilant Organosys Ltd., Gajraula, UP
Job title : Asst. Manager, CPP
Job Description :

- Promoted for optimization of Steam and Power cost, monitoring of rotary equipment to avoid breakdown, Smooth operation of utility plant to ensure uninterrupted supply to the power block and process plant, commissioning of 90T AFBC boiler.
- Ensured smooth running of rotary equipment by implementing predictive maintenance.
- Timely update the generation and consumption of Utility plants in BAAN.

- Successfully implemented the 5 'S' in power block to obtain an organizing, cleaning, developing and sustaining a productive work environment.
- Prepared monthly steam generation report.

Date : From 2004 till 2005
Employer : Jubilant Organosys Ltd., Gajraula, UP
Job title : Graduate Engineer Trainee
Job Description :

- Enrolled as trainee engineer and traced all utility pipelines in power block and prepared the piping layout of existing plant for future modification.
- Steam and condensate mass balancing to increase condensate recovery by 10%.
- Inventory management for the process plant in maintenance reduced the downtime of the equipment by close monitoring.
- Maintenance of process plant equipment.

Field of experience :

- Areas of expertise:
 - Project Management.
 - BOP Commissioning.
 - Water & Steam cycle commissioning.
 - GT, HRSG Commissioning.
 - Piping construction & testing.
 - Scheduling.
 - Documentations.
 - HAZOP study.
 - Performance testing.
 - O&M.
 - Solar PV Professional.
 - Desalination comm.
- Summary of International Work Experience:
 - Mary-3 CCPP, 1574MW, Turkmenistan (2018): Assisted in commissioning of GT, BOP & HRSG.
 - Qurayyah Independent Power Plant, 3925MW, Saudi Arabia (2013 - 2015): Commissioning of BOP and Water Steam Cycle along with CCC documentation.
 - Aldur IPP, 1350MW, Bahrain (2009 - 2010): Commissioning of GT and its auxiliaries.