



Mahin Siddiqui

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D.O.B- July 21st, 1992

Professional Experience: 7 years

SUMMARY

A team spirited & performance driven Mechanical Engineer currently engaged in maintenance of chillers & other related HVAC system in Riyadh, KSA which is a humongous project of its kind. I am a person with great ambition to progress my career within facility & data center management, Energy management, HVAC Engineering, system designing, & related domains. I take pride in my work.

EXPERIENCE

Safari Group – Mechanical Engineer (Facilities & DC) (Riyadh, KSA; July '19 – Current)

- Ensuring the facility meets energy standards (ISO 50001), Environment standard (ISO 14000), Health and safety standards (ISO 45001), & that facility comply with legislation.
- Maintaining initiative-taking relationship & understanding business needs of client.
- Supervising existing building systems and collection of data on building operations such as of HVAC, electrical, lighting, and controls to support the evaluation of energy efficiency and usage.
- Currently engaged in maintenance of 1.2 million sq.mt. mission critical HVAC machines (chillers, AHUs, RTU/ SSU etc.), UPS system, & other critical electrical machines to optimize operations of facility & data centers.
- Engaged in managing the site maintenance operations such as preventive & reactive maintenance work orders through CMMS tool specifically IBM- MAXIMO.
- Proficient in calculating & review Power Utilization Effectiveness (PUE) & Data Centre Infrastructure Efficiency (DCiE).
- Responsible for planning & generating RFP, RFQ, CAPEX & OPEX, ROI for site level operations & maintenance expenditure.
- Responsible for planning the yearly PM calendar for complete HVAC & related electro-mechanical assets along with preparation of Monthly, Quarterly, Half yearly and Annual maintenance work performance reports.
- Trained in Hazard Identification & Risk Analysis (HIRA).

Jones Lang Lasalle (JLL-IBM) – Associate Manager, Facility (September '18 – June '19)

- Manage all site level electro-mech engineering challenges during project execution phase.
- Part of JLL project development team to oversee technical aspects of MEP & FAS systems along with snags identifications for the project in transition before handing over to facility team.
- Engaged in the maintenance of one of the most sophisticated electro-mechanical & HVAC systems of IBM.
- Identification & implementation of energy saving opportunities in facility for ongoing LEED certification.
- Maintain all critical data center related mechanical system requirements.

- Reviewing & proposing required calculation for heating & cooling load, ACPH & ventilation requirements based on the type of system needed by the client during project expansion phase.

Hind Square MEP & Engineering Solutions (Free Lancer) – HVAC Design Engineer & BIM Modeler (January' 18 – September'18)

- Heat Load Estimation in E20 sheet, HAP software
- Duct designing for appropriate Air Distribution
- Preparation of Bill of quantity (B.O.Q) as per technical specification.
- Chilled water piping, Pump head & ESP calculation.
- Expansion tank Calculation.
- Energy analysis of system with and without air-to-air energy recovery equipment
- Developing Mechanical, Electrical & Plumbing template in Revit.

Compass-Group India – Facility Manager (Technical), Client-HCL Tech, Noida, September'17- January'18

- Understanding needs of building services & expectations of client.
- Reviewing building maintenance & MEP operations.
- Identify energy saving opportunities, energy planning process and conduct energy audits (as per ISO 50001:2011), selecting energy baseline, identifying NC's, CAPA and implementing ROI calculations on MEP projects also to identify energy efficiency measures.
- Perform preventive maintenance and repair service work on MEP systems specifically on chillers (up to 600 Tr. centrifugal systems), cooling towers, pump systems, hot water generation system, VRV/ VRF, PAC and CRAC units, AHU's, FCU's duct-able units etc. and various other building systems.
- Ensure Fire Fighting Systems equipment 24 x 7 operations maintain daily checklist & conduct weekly trial to maintain the system
- Preparation of Monthly, quarterly, half yearly and annual maintenance work performance reports.

HCL Technologies Ltd. – Executive (Facilities Maintenance) April'16 – August'17 (1 Year & 5 months)

Talbro's Axles – Graduate Engineer Trainee (Production & Manufacturing – Heat Treatment) August'14 – July'15 (1 year)

SKILLS

- **Certificate course in HVAC-MEP Designing & calculations, Autodesk Revit**
- **Ability to do facility energy analysis, HVAC designs in eQuest etc.**
- Knowledge of LEED certifications & green buildings operations.
- Audits: ISO 50001, SOC 2, ISO 45000, ISO 14000.
- Capex/ Opex, RFQ/ RFP & related financial tasks for facility related operations.
- Responsible along with team for implementational analysis of Geothermal Cooling System in HCL Technologies which was first of its kind in the vicinity.

EDUCATION

B.Tech. - Mechanical Engineering; Uttar Pradesh Technical University, India