ROY

* [roy.384887@2freemail.com](mailto:roy.384887@2freemail.com)

KEY SKILLS:

Mechanical Maintenance of Ammonia Chillers (GEA Screw & Kirloskar Reciprocating); HVAC (Fresh Air Handling, Wet & Dry Air Handling, York & Clauger Models); HVAC Design and Engineering.

Air Compressors (6-40 Bar, Vertical/Horizontal Packages, IR & CP, Oil Free); Water Treatment-UF & RO Plants; ETP / STP; Centrifugal / Submersible Pumps.Boilers (6-40 Ton, 10.54Kg/Hr, Solid & Oil Fired) & Steam Accessories (Steam Traps, Condensate Recovery Pumps), Total Productive Maintenance.

Energy Audits. Hazard Analysis & Safety Risk Assessment. Machinery Safeguarding. Zero Access. Inventory Management; Spare Parts procurement; Vendor Assessment. Work Order Management and Asset Maintenance Management.

Preparation of investment budget, Budget Management & Control. Ensure Nestle’ Technical compliance standards. Manage & supervise building general civil and fire system works. Permits & approvals from local authorities. Supporting capital investments.Project Engineering.

Development of engineering projects and continuous improvement of processes, reduction of engineering gaps along supply chain.

Production Management,Asset Intensity/OEE, Shift Supervision.

Team supervision, Advance MS Excel, Excellent English speaking and right behavior. Arabic working knowledge.

PROFILE SUMMARY:

A result driven Mechanical Engineer with sound technical knowledge & application skills under domain of Utilities maintenance in Food & Beverage Processing / Manufacturing Industries with excellent communication, behavior & attitude towards life & work.



PROFESSIONAL EXPERIENCE:

Nestlé Middle East Manufacturing LLC, Dubai (UAE) (July’15 – Till Date) (3 Years on going)

Project Coordinator, Energy Audits Operator, HVAC Maintenance/Utilities Engineer, Factory HSE Link.

Key Responsibilities:

* Maintenance, Operation & Installation of GEA Ammonia Chillers (Total Plant Capacity[TPC]-1565TR), Atlas Copco Air Compressors (TPC-1600l/s@7 bar), Designing & Maintenance Clauger HVAC Units (TPC-2122Kw), UF (5m3/Hr), RO (TPC-3 m3/Hr), Water Filtration Units (TPC-70.4 m3/Hr ), Fan Cooling Units(TPC-400RefTon), Energy Audits, Projects & Line Expansion Works, Risk Assessment & Machine mode Analysis, TPM(Maintenance Plans,MTBF,RE,BDA,GSTD).

Main Achievements:

* Energy saving projects on Filtration, Cleaning & Passivation (Annual Savings [AS] – 167705AED/year).
* Water Saving Projects involved Hand wash water reduction project, Back wash water reduction project & more with a total AS of 11644 m3/annum resulting in a curb of 365657 AED/annum.
* Risk Assessment & Hazard analysis, Machine Safeguarding & Zero Access Project involved modification of 03 High Risk Activities to Medium Risk & 25 Medium Risk Routine Activities to Low Risk.
* Air Compressor Set Point Optimization (AS – 89939 AED) Reduction of CO2 Footprint – 104145 tCO2/year.
* Legionella management Plan fabrication, implementation & initialization as per Dubai Municipality norms, High risk & Medium risk activities mapping and safe SOPs implementation, PTW Standards, Factory Security Coordinator.

United Breweries Ltd, Kolkata, India (Jan’14 – June’15) (1.5 Years)

Utility & Projects Sr.Engineer, Installation Engineer-Ammonia plant, Operations management.

Key Responsibilities:

* Maintenance of Kirloskar Reciprocating Compressors (TPC-650TR), Chicago Pneumatic Air Compressors (TPC-2500l/s @ 7 bar), Husk Fired CombiPac Thermax Boiler(TPC-10TPH @ Rated Pr 10.54kg/Hr), FO fired WT Thermax Boiler(TPC-6 TPH @ Rated Pr 10.54 Kg/Hr), ETP(TPC-950 m3/day), Hypro CO2 Recovery & Purification Unit (TPC-540 Kg/Hr).

Main Achievements:

* Reduction of Annual Spare parts cost by 39% from year 2014 to 2015 through initialization of machine classification, budgeting of spares as per classification, defining Min: Max of Spares through year consumption and lead time variance based on machine running hours. The project involved initialization of Vendor Acceptance Test for the first time in UBL.

EDUCATION & TRAINING:

2007 – 2011. - B.E. (Mechanical), Chhatrapati Shivaji Institute of Technology, (C.G) India. 01st Div.

2012 – On Job Training on Plate Heat Exchangers (Trouble Shooting, Leak Testing, Efficiency Enhancement, Cleaning & Restoration Standard Procedures) at Alfa Laval, Vizag, India.

2014 – On Job Training on Kirloskar Reciprocating Ammonia Compressors (Installation & Commissioning, Trouble Shooting, Ammonia specific installations) at Pune, India.

2018.

NEBOSH IGC.

The Coca Cola Inc., Gurgaon, Kolkata, India (June’11 – Jan’14) (2.8 Years)

Management Trainee, Maintenance Engineer.

Key Responsibilities:

* Maintenance of Kirloskar Reciprocating Compressors (TPC-1000TR), Chicago Pneumatic Air Compressors (TPC-5500l/s @ 7 bar & 14000l/s @ 40 bar), Husk Fired CombiPac Thermax Boiler(TPC-6TPH @ Rated Pr 10.54Kg/Hr), FO fired WT Thermax Boiler(TPC-3TPH @ Rated Pr 10.54 Kg/Hr), ETP(Plant Cap-2000 m3/day), CO2 Purification Unit (TPC-550 Kg/Hr).

Main Achievements:

* Condensate Recovery from 25% to 92% (AS – 450000 INR/annum).
* Heat Load Set Points Evaluation Project involving heating load generated and cooling load supplied and Heat Balance resulting in optimum machine running hours and maintenance orders executions at minimal level.

OTHER INTERESTS:

Reading Self Enrichment motivational Books.

Long Drives on my car & exploring new UAE roads.

Studying new technical systems.

MAIN AWARDS:

Eagles Training at Coca Cola India & South West Asia Business Unit HO.

Technical Head followed by Vice President in Engineering College University in 2010-2011.

Represented All India South Zone under top 20 IMechE Engineers by IIT, Kharagpur, for Heat & Mass Transfer PPT.

PERSONAL DETAILS:

DOB: 22nd May 1989.