

RESUME

LAJPAT MEHRA

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SENIOR BUSINESS LEADER

Professional with 25 + years of experience in large steel plant and others in work area of Industrial maintenance, rehabilitation, energy management, Utility, coke oven and steel melting plant equipment. Erection, commissioning and operation of oxygen plant, Handling hazardous gases e.g. natural gas, coke oven gas, mix gas and blast furnace gas. Skilled in maintenance of high speed & high capacity centrifugal gas compressors, centrifugal air compressors, steam turbines, water pumps (2500m³/hr capacity). Expertise in erection, testing and commissioning of gas pipelines with an international work exposure of 6 yrs. presently looking after commercial, project and utility services at Resonance. Seeking challenging position in industry to contribute in work area of utility, plant maintenance, E&C of plant equipment in most productive manner to the growth and profitability. Hold international exposure in Nigeria and UAE. Exploring challenging senior managerial assignments with a reputed organization.

CORE SKILLS

Plant Erection & Commissioning

Process plant maintenance

Steel Plant Utility maintenance

Preventive / Breakdown Maintenance

Rehabilitation of heavy Industry

Hazardous gases handling and training

Oxygen plant erection

Health & Safety Compliance

Quality Management Vendor / Stakeholder Interaction

Plant Utility

EXECUTIVE SUMMARY

- Proven expertise in working on erection, commissioning and operation of oxygen plant, managing hazardous gases (natural gas, coke oven gas, mix gas and blast furnace gas).
- Possess solid exposure in maintenance of high speed & high capacity centrifugal gas compressors, centrifugal air compressors, steam turbines, water pumps (2500m³/hr capacity).
- Adept at installation / rehab, testing and commissioning of centrifugal gas compressor, steam turbine and mix-gas pipelines including natural gas station and pipelines for process steam / compressed air / natural gas etc.
- Skilled in conducting preventive, predictive and overhaul maintenance of high-speed critical machines (gas boosters (57,000 Nm³/hr.), gas exhausters, air compressors (30,000 Nm³/hr) and centrifugal water pumps (2500m³/hr)).
- Capable of maintaining various process pipelines (up to 1500 mm diameter) and valves (gate valve, globe valves/butterfly valves/steam traps and NRVs), pressure regulators, gas separators, condensate system etc.
- Proficient in timely erection of mechanical projects to optimise the company profit.
- Skilled in uninterrupted Steel plant Utilities like Gas and water.

CAREER CONTOUR

RESONANCE EDUVENTURES LTD: KOTA, RAJASTHAN

AGM (HOD Commercial & Engineering Projects)

Jul 2012 – Present

Responsibilities:

- Coordination of project, utility, maintenance and commercial divisions of the company.
- Supervise all mechanical erection work under Infrastructure division and maintenance of oxygen plant, HVAC of warehouses etc.
- Implement management decisions of new projects: HVAC, Solar power plant etc.
- Installation, commissioning and operation of 520 KW rooftop Solar power plant.
- Installation, commissioning and operation of 1200 HP Centralised VRF AC.
- Utility services like RO, STP, electricity, AC, safety and security etc. for 50,000 students.
- General administration, Buildings and utility maintenance.
- Project incharge for all new initiatives by the company.

Accomplishments:

- Conceived, procured, set up, commissioned and operation of the 520 KW Solar plant at Resonance Building and 1200 HP Centralized AC.
- Erection of Steel Structure building for 20000 student capacity with 40 class rooms
- Worked on utility services like RO, STP, electricity, AC, safety and security etc for 50,000 students and coordinated activities related to company procurement and printing study materials for students.

ELECTROSTEEL STEELS LTD: BOKARO, JHARKHAND

AGM (Utility, Gas Section) working with Chinese Engineers.

Aug 2011 – Jul 2012

Responsibilities:

- Coordinated activities related to erection and commissioning for BF gas holder with Chinese project team.
- Commissioning of BF gas pipelines and gas supply to rolling mills.
- Commissioning of Oxygen, Nitrogen, compressed air and other pipelines for rolling mills and other departments.
- Erection of fire pump house, commissioning of Rolling mill water pump house.
- Taking Gas safety training session for employees of different departments.
- Developed internal project completion schedules with time line in coordination with Chinese engineers.
- Brief CEO daily project updates and set coordination among different agencies for smooth execution of the project work.

EMIRATE STEEL INDUSTRIES: ABUDHABI, UAE

Supervisor (SMP, Specialist Oxygen & Gases)

Manager (Project, Oxygen plant) – Utility Department

May 2010 – Jul 2011

Jun 2008 – Apr 2010

Responsibilities:

- Involved in maintenance of oxygen and carbon injection modules in 2x150T EAF, commissioning of SMP, 150T EAF including shell change, preheater and dryers maintenance and gas utility of SMP.
- Participated in CCM & EAF training by DANIELI Italy based on project and operational requirements. Highlighted critical technical issues to the senior management and other stakeholders for implementing effective remedial measures.
- Coordinated activities related to setting up and commissioning of 4000NM³/Hr capacity Oxygen Plant.
- Erection and commissioning air compressors and pipelines of nitrogen, oxygen and process air
- Erection of air compressor and pressure vessels, cold box and equipment in oxygen plant.

GLOBAL STEEL HOLDING LIMITED, AJAOKUTA STEEL, NIGERIA

Responsibilities:

- Ensured supply of natural gas, compressed air and industrial water supply to all four rolling mills, power plant and the engineering shops based on production requirements.
- Set up monthly and annual preventive maintenance plans for the critical equipment including energy management plan for the department and micro plan for jobs.
- Optimized maintenance of natural gas supply network system (capacity: 120,000 NM3/Hr) and the air compressors (total capacity: 75,000 NM3/Hr) to ensure supply of natural gas/ compressed air.
- Prepared Energy Balance of entire plant with coke oven gas, BF gas and Natural gas based on energy requirements including SOPs and SMPs for air compressors, refrigeration machines, and pump houses and Natural Gas Control Post etc.
- Focused on maintaining, rehabilitating, testing and commissioning of Coke oven gas, BF gas and Natural gas pipelines. Planned and procured spares for compressors, water pumps and natural gas pressure regulators.

Accomplishments:

- Organized training in gas safety to employees working in gas hazard prone areas. Rolled out Six Sigma and TPM projects leading to enhanced operational efficiency.
- Played a key role in converting, setting up and commissioning one horizontal 400KW HT motor into vertical motor for the 2500m3/Hr capacity vertical water pump leading to savings of Euros 31000.

EARLIER ASSIGNMENTS (IN BRIEF)

**Manager (Mechanical Maint), Coal Chemicals Plant,
Rourkela Steel Plant, SAIL, India**

Sept 1994 – Jun 2005

Responsibilities:

- Maintenance of 9 gas compressors of Coke oven and BF gas
- Preventive and predictive maintenance of heavy machineries in Byproduct department.
- Capital repair work of Sulphuric acid plant , Cooling Towers, Tar plant Naphthalene plant etc
- Handling of hazardous gases like Coke oven and BF gas.
- Compliance of safety standards for human and equipment safety.

PROFESSIONAL DEVELOPMENT

- Modern maintenance system, vibration analysis workshop.
- Management Development Program
- Value Engineering, Safety Engineering
- Human resource, Gas Safety
- Energy Management
- Danieli training on steel melting EAF and CCM.

EDUCATIONAL QUALIFICATIONS / CERTIFICATIONS

- B Tech (Mechanical Engg), REC/NIT Calicut, Calicut University, 1993
- Diploma in Computer Applications, Shree Academy, Indore. 2004

PERSONAL DETAILS

- Date of Birth: 12 April 1972
- Language Proficiency: English, Hindi and Oriya
- Address: RH 68, Shree Ram Enclave, MR-10, Indore Pin 453555.