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SR. MAINTENANCE & PROJECT PROFESSIONAL | EQUIPMENT OPERATIONS & TROUBLESHOOTING EXPERT

PROFILE SYNOPSIS

Performance-driven professional with a successful career trajectory of 22+ years in steering complex & high-value maintenance and repair work in relation to installation, maintenance, and repairs of rotary and static equipment and system. Excellence in managing 3M (Man, Machine and Material) and worked in integrated steel plants.

- **Demonstrated skills in** managing buildings inspections and reducing failure rate of equipment & machinery, optimizing maintainability, and rendering engineering solutions that expedite maintenance services while improving operator effectiveness
- **Excels in** performing complex repairs equipment, tools and systems while ensuring methods, materials and practices meet company standards and local guidelines
- **Experience in** equipment technology & capacity up-gradation along with conducting troubleshooting of equipment and system
- **Maintains** compliance with the authorities while liaising with statutory department.
- **Abilities in adhering to** safety and security policies and procedures including OHSAS and EMS.3M guidelines while reporting any maintenance problems, safety hazards, accidents, or injuries
- **Deft at steering** equipment performance measure such as MTTR and MTBF while ensuring on time availability of spares and insurance of critical spares
- **Prepares annual budget** and action plan to control the maintenance budget
- **A trusted consultant** in vendor selection, requirements gathering and performance management; **oversee vendor on boarding activities** including planning, inherent risk assessment and initial due diligence
- **Deft at creating and implementing** preventive and predictive maintenance for the equipment. Time-tested capabilities in performing complex operating procedures
- **Instrumental role in** goal-setting, strategy-development, decision-making & planning processes in the maintenance department. **Prowess in** planning, executing & driving projects within agreed timeframes, budget, and high-quality parameters
- **Charismatic People Leader** with the competency in training & leading teams & developing their core skills to deliver world-class performance



TIMELINE

Mechanical Professional
at Indian Metals and Ferro Alloys Ltd.

Asst. Manager (Mechanical) at Monnet Ispat and Energy Ltd.

Manager (Mech.) at Tata Steel Mining Ltd.

Manager (Project & Maintenance) at Jindal Steel and Power Limited,

Asst. General Manager at VISA Steel Ltd/Visa Coke Limited,

Dy. General Manager (Mechanical and Boilers) at VISA Steel Ltd/Visa Coke Limited,

Jan. 2001 – May 2007	May 2007 – Apr. 2009	Apr. 2009 – Jan. 2010	Feb. 2010 – Aug. 2016	Aug. 2016 – Dec. 2019	Aug. 2019 – Present
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WHO AM I & WHAT I DO?



PROFESSIONAL SKILLS



DOMAIN EXPERTISE





CAREER CONTOUR

VISA Steel Ltd/Visa Coke Limited, Jaipur Road, Odisha | Aug. 2016 – Present

Growth Path: Dy. General Manager (Mechanical, Projects and Boilers) | Aug. 2019 – Present ◀ Asst. General Manager | Aug. 2016 – Dec. 2019

- Lead design & installation of a new circuit for online/off line **nut coke production** and a special circuit for **foundry coke production**.
- Drive the development of rotary screen in coke circuit for effective screening of nut and breeze coke.
- Explore, trial and stabilize new concepts in **submerged arc furnace and coke oven equipment** for enhancing availability of equipment as a cost saving initiatives
- Steer the design of the bogie for quenching car implemented for ensuring availability of the equipment
- Administrate localization of **cake cooling arrangement** in quenching car for minimizing the top layer ash.
- Pilot the design and execution of sweeping mechanism introduced in pusher car ram for cleaning of the oven of left over coke and improved the yield. Helm development of lubrication system and launch pusher car charging plate for smooth operation.
- Orchestrate productivity improvement, cost saving and ease of maintenance while managing all **civil and Project jobs**.
- Explored, trialed and stabilized various new concepts in **coke route** for enhancing the availability of the equipment especially as a cost saving initiatives.
- **Coke falling** (during coke receiving) arresting arrangement implemented in quenching car for improving the yield.
- Drive culture of ownership of processes, operational metrics and continuous improvement while formulating guidelines
- Influence and facilitate creation of long-term relationships with the clients, stakeholders and vendors which add value to the firm
- Procurement, erection and commissioning of **N2 Plant**.
- **Steer the Waste heat recovery Boilers (25 TPH X 4 Nos) for extract the best efficiency and adhering the necessary liaising with Govt.Officials for meeting the norms.**
- **Demonstrate Excellency in Electrical Maintenance and all the brown field Civil Jobs across the plant.**
- Spearhead the management of project and commissioning of one 16.5 MVA furnace along with handling **GCP and other pollution control equipment** into line for achieving the best pollution control norms
- Streamline operation of **60 TPH briquetting plant** and resolve major inherent issues to achieve the best production figure. Direct the implementation of modification for KPI improvements
- Serve as **Team Leader for IMS certification and manage MR (IMS)** in addition to my prime responsibilities. Lead the quality circle initiative and represented the organization at international level

Manager (Project & Maintenance) | Jindal Steel and Power Limited, Raigarh, Chhattisgarh | Feb. 2010 – Aug. 2016

- Supervised the design and erection of **special metal recovery plant** for yield improvement
- Directed the design, fabrication, and erection of day bunker evacuation conveyor system while handling refurbishing of **mud gun** to enhance the tap hole life of furnace
- Superintended the renovation of **fume extraction system** of furnace for effective suction
- Led the implementation of **tap hole fume extraction system** for mitigating the pollution during tapping
- Strengthened the **electrode column for increasing the furnace availability** and implemented duct cooling system for increasing the duct life. Executed various kaizens for ease of maintenance, cost saving and enhancing safety
- Functioned as the **ISO lead auditor for performing ISO 9001** and also as the Internal Auditor for IMS
- Participated in management initiative such as **TPM, 5S, Quality circle, Kaizen** etc. and drafted detailed reports highlighting the issues for smooth closure and circulate to stakeholders to resolve the bottlenecks
- Sustained an inter-knit connection across teams to communicate requirements while guiding on governance & reporting



EDUCATION

- **MBA in Project Management**
- **B.Tech. Mechanical Engineering**
- **Diploma in Mechanical Engineering**

Certifications: IMS (ISO 9001,14001,18001) Internal Auditor | ISO 9001 Lead Auditor | Pursuing Advance Project Management from IIM Visakhapatnam.

Technical Purview: IMS System (ISO 9001, 14001 and 45001) | TPM | SAP System (PM Module) | Quality Circle | Auto CAD | MS-Office



AWARDS & ACCOLADES

- Gold Awards | ICQC, Tokyo, Japan | 2019
- Executive of The Year | JSPL | 2011
- Received nomination as Co-chairmen for JH Pillar of TPM and actively participated for its implementation



PRESENT KEY ACCOUNTIBILITES

1. Head (Maintenance) looking after Mechanical, Projects Coke oven Boilers, Civil and ISO Cell Jobs of heat recovery Coke Oven of capacity 0.4 Million Ton.
2. Working in SAP PM Module, creation of task list, BOM, notifications and closure.
3. Maintaining KPI like 99% OEE, Increase MTBF and reduce MTTR for all the equipment's.
- 4.OPEX Spares Planning, Drawing Development, Material Code Generation, Procurement
5. Planning, PR creation, Technical recommendation and Follow up.
6. Building Structure and Technological structures.
- 7.JH, 5S, FMEA, SMED and PM implementation in Coke Oven Plant
- 8.TQM, Kaizen, QC, Improvement Projects
- 9.High Risk Safety standard implementation, training, Safety Observation and compliance
10. Safety for Safety Observation, Conveyor Safety Work at Height and Scaffolding, SAM, HIRA.
- 11.Representing for developing Coke Oven rules and procedure and Contractor Safety Management BPO and Contractual Manpower Handling
12. Skill Assessment, mapping, Training needs identification and training to subordinates and BPO.
- 13.Techno economical feasible studies for new projects and equipment's
- 14.CAPEX Project Planning, Scheduling, Technical Comparison, Ordering, Execution, Commissioning and Capitalization.
- 15.SOP, SMP, WI, JCC, JSA, TS preparation and Review
- 16.Preparation of RCA, CAPA, MIS, OPL, FMEA, Maintenance Report for breakdown and critical Equipment's like PUSHER CUM CHARGING CAR, QUENCHING CAR, COKE ROUTE, COAL ROUTE etc.
- 17.Daily works management, daily Meetings and compliance
- 18.Supporting other sections for solving critical problems with suitable solutions
- 19.Responsible for the maintenance of all LAB equipment viz.CRI,CSR,N2 Plant, Sample preparation machineries', Pilot Ovens etc.
- 20.Responsible for operation and maintenance of SRTS and excellently adhering the zero discharge norms.
21. Spearhead all the Electrical maintenance of Transformers, Motors, Drives and Automation etc.
22. Spearhead all the internal Civil Jobs like RCC Road, Drain, Culvert, PCC of Yard etc.
- 23.Leading the ISO department of VISA Coke Ltd as MR.



PROJECTS HANDLED

- Project Manager | Gas Cleaning Plant & Briquetting Plant | Company: Tata Steel Mining Limited | Scope: Basic Engineering, Detail Engineering, Execution and Commissioning.
- Fume extraction System | Slag granulation Pilot Project | Metal Recovery Plant | Company: Jindal Steel and Power Limited.
- Project Head | 16.5 MVA Submerged Arc Furnace, Gas Cleaning Plant, RMHS & Metal recovery plant | Company: VISA Steel Limited | Scope: Basic Engineering, Detail engineering, Execution and Commissioning.
- Project Head | All the brown field project Of VISA Coke Ltd. | Erection and commissioning of Foundry coke circuit|Nut Coke Circuit | Coke Storage Shed | Installation and commissioning of 100 TPH Coke Cutter | Coke stacker

Project Job Profile:

- 1.Project Planning, schedules Making, Offers evaluation, Technical report, comparative statement report, approval notes, MOM, Delivery schedules, Vendor follow up and management DPR.
2. Project Execution, protocol and commissioning.
3. Feasibility study, modifications and design of new projects.
4. Contract Manpower, Contractor and Sub Contractor Manpower Handling skill.
5. Hiring Consultants for critical job for Structural and Mechanical works.
6. Study of basic engineering and detail drawings from supplier and consultants.
7. Preparation of enquiry and technical discussion with suppliers and vendors.
8. Finalization of Work Orders and Erection Contracts.
9. Get the work done as per drawing with proper coordination with Civil, structural and equipment erection contractor.
10. Project Purchase and negotiation skill, WBS, SAP and AutoCAD knowledge.
11. Project safety and PSSR of equipment's before handover to operations