



NIKUNJ N. SHAH

Senior Operations Specialist
Thermal Power Plant

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Experienced Power Plant Engineer with a demonstrated history of working in the legal services industry. Skilled in Performance Tuning, Maintenance, Power Plants, Electrical Design, and Switchgear. Proven history of optimizing organizational structures, negotiating contracts, establishing systems, processes, and improving productivity for large diverse energy enterprises.

CORE COMPETENCIES

Renewable Energy
Power Generation
Power Plants
Energy Management
Energy Efficiency
Thermal Energy
Alternative Energy
Engineering Management
Power Systems
Commissioning
Project Management
Project Planning
Maintenance
Contract Negotiation
Resource Management
Recruitment
Training Need Analysis

ACADEMICS

1990

Bachelors of Engineering – BE., Electrical
Saurashtra University

WORK EXPERIENCE

Since December 2012

ADANI POWER LTD.,

MUNDRA

Associate General Manager

August 1991 to November 2012

GSECL - GUJARAT STATE ELECTRICITY COMPANY LTD.,

1991 to 2006: Assistant Engineer and

2006 to 2012: Deputy Engineer

VALUE ADDITION

- Project planning, execution, testing & commissioning of Transmission and Distribution system.
- Responsible for engineering estimations, tender proposals including technical & financial aspects.
- Strategic procurement of HV/MV equipment's, obtaining approvals & managing project execution.
- Drive quality control and inspection of materials and equipment's to ensure their specifications.
- Performs design evaluation and recommend modifications in development to resolve real time technical challenges.
- Strong in collaboration and communication with cross sectional team for technical problem identification and troubleshooting.
- Involved in research investigations, risk management & risk mitigations measures.
- Expert in collaborating with statutory bodies for obtaining approvals and successful project execution.

CRITICAL AREAS OF FOCUS

- Monitoring & Controlling Entire Plant Operations with Compliance of HSE Guidelines (Including Security).
- Closely Supervise the Production Planning, Process Improvements, Yield improvements, batch cycle time Optimization, increase in Right First Time Batches and Engineering Changes through Management of Change Control procedure.
- Ensure proper Root Cause Analysis and Effective Implementation of Corrective and Preventive Actions for all the Customer Complaints, In-Process rejections, all kinds of SHE incidents and maintenance breakdown.
- Ensure the Compliance of all the Legal requirements within the due date.
- Identify the Training needs and improve the Skills and Competency of the team (Staff, Permanent and Contract workers).
- Managing key results in OTIF (On Time in Full) , OT, Labor Productivity, Customer complaints and Overall Factory Expenses.
- Over all Admin Control over the Plant Operations and New projects.
- Handling overall manpower of site with proper system.
- Builds organizational capability to learn continuously ahead of the curve and ensures effective absorption of production and process technologies

FUNCTIONAL EXPERTISE

End-to-End Project Management
Infrastructure Management
Budgeting / Cost Control
Solution Implementation
Service Delivery Management
Service Revenue Management
Quality Assurance & Control
Infrastructure Services
Risk Management
Relationship Management
Bid Analysis
SOW
Incident Management
Client Servicing
Escalation Management
SAP
ISO Standards

SUBJECT MATTER EXPERTISE

Operation of Electrical system including 415V, 6.6 KV, 11, 220, 400 KV switchgear, and HVDC system

5-S, ISO 9001-2000, ISO 14001-2001(QMS, EMS) & OHSAS

Scheduling & forecasting of Generation & coordinating with SLDC/WRLDC

Control of general Construction related works like Erection of EHV/HV GIS + GIB, EHV/HV/MV Transformers, Shunt Reactor, MV Switchgear, Capacitor Banks, Battery Banks, Control/Protection & Auxiliary panels, Indoor & Outdoor Lighting, LV power distribution, UG Power Cables, Cable Raceways, GRID & Equipment's Grounding.

Study, review and updating of various aspects of distribution systems, standards, guidelines, material specifications, construction procedures, QA/QC plans, and other statistics such as, design reviews, and giving approvals to the design drawings/documents submitted by the contractors.

CURRENT SCOPE OF WORK

I currently spearhead operation of TG, SG and BOP auxiliaries, with keen focus in start up, shut down and routine safe operational activity as per recommended by OEM and SOP(Standard operating Procedure). Other areas that draw my close attention are,

- Ownership of field and control desk operational teams.
- Control of heat rate.
- Maintaining Log Books by taking periodic reading to kept record of Plant important Parameters.
- Follow up & co-ordination with maintenance department regarding plant defects.
- Issue permit to work (PTW) & safety isolations / restoration of auxiliary equipment's inclusive of height/depth | confined space | hot work.
- Work in liaison with the safety, chemical and coal lab department for receiving the DM Water, Oil reports, H2 parameters and coal parameters.
- Maintain and follow Computerized SAP system for record Defects, PTW, Root cause analysis, breakdown defects, Water planning, Equipment changeover and its trials.
- Implement energy efficiency by reducing DM Water by avoiding leakages & LDO consumption, observing total air flow & O2.
- Control Auxiliary power consumption, super heater control, combustor pressure, effective operation of Heat Exchanger, ESP healthiness, fuel sizing and CV.
- Machine synchronizing with grid after achieving all the pre requisite condition of synchronize.
- Standby auxiliary changeover as per schedule and trial of DG Sets, DC Equipment to check the availability during emergency.
- Timely and quick decisions during black out, operational emergency.
- Periodical tripping reports
- Correspondence with contractors, conducting regular site meetings to evaluate the progress and take remedial actions to resolve bottle necks.
- Active participation in the selection of project team members
- Defining role definition, delegation of competencies/ responsibilities, object/ target agreement, working conditions are a part of my day to day to activities.
- Coordinating with SEC's Design & Projects Department, Contractor and Sub Contractor's engineering disciplines during all stages of design review for various projects.
- Responsible for all design related issues right from Primary Substation Engineering to Detailed engineering including Power transformers, 380 and 132 KV GIS, MV Switchgear, Capacitor Bank, Auxiliary Transformer, and outdoor substation equipment and finalize the issues in smooth manner within the scheduled dates.
- Conducting High Voltage (HV) Tests for 380,132,115KV GIS system and 34.5,13.8KV Switchgears.
- Conducting AC High Voltage Tests for 132,115KV UG Transmission Lines HV Power Cables & HV or VLF test of 33,13.8KV MV Power Cables
- Inspecting and witnessing Pre – Commissioning for Local and Remote Operations of LCC 380KV & 132,115KV Panels and Interlocks.
- Checking all schemes of ACDB's/DCDB's along with ATS.