

PERSONAL PROFILE

- Having leadership Technical & Management Skills for Company's Growth Which Ensure to Support the Organisation.
- I Will Work in a Challenging Atmosphere Which Provide Me Ample Opportunity for Career Growth, Promotions and Which Can Bring the Best Out of Me.
- Transformed a disorganized, inefficient warehouse into a smooth-running operation by totally redesigning the layout & improved an engineering company's obsolete filing system by developing a simple but sophisticated functional-coding system. This saved time and money by recovering valuable, previously lost project records
- An acknowledged project leader with proven strengths in mobilizing and managing materials, machines, vendors and manpower resources to generate highest productivity levels.
- Superior abilities in Project requirement analysis/ scheduling/ delivery, competency development and productivity improvisation.
- Demonstrated capability in implementing value engineering for reducing downtime, implementing preventive, planned and predictive maintenance to maximize uptime of various equipment, utilities and machineries and driving process initiatives to enhance efficiency.
- Adept in ensuring Safety and observing physical conditions of work & work practices; adequate understanding in the areas of Work Place Safety, Process Safety Management & Safety Assessment
- Strong commercial acumen, capable of coordinating and negotiating with the vendors for cost effective purchase of spare parts, standardizing of equipment from manufacturers and developing annual budgets for monitoring overheads & expenses.
- Deft in designing & implementing quality systems and procedures to ensure strict adherence to quality parameters. Excellent man-management, time management, and leadership skills.

PROFESSIONAL SNAPSHOTS

- A dedicated stable professional with 7+year's rich experience in Energy Conservation Building Code (ECBC), Eco Niwas Samhita ,Project management, operation, maintenance, erection/commission, project management, testing, erection & fault analysis, motors, panel designing, process improvement & innovation
- Currently designated Associate Consultant-Clean Energy Division of Government Reforms & Infrastructure Development (GRID) in Big 4 Organization Price Water House Coopers (PwC).
- Work with LEAN strategy for the project finalization execution (i.e. Included BOQ finalization, Execution, Procurement).
- Expertise in handling the complete project operations entailing planning, resource utilization, maintenance & manpower management and Procurement.
- Proven abilities in design, installation and Commissioning of control systems for control panels & plants.
- An effective communicator with excellent relationship management skills and strong analytical, problem solving & organizational abilities.
- Comprehensive experience in erection, installation, operation & maintenance of power distribution equipment. Knowledge of SAP plant maintenance & Project module implementation.
- Equipped with outstanding analytical abilities to ensure zero / minimum breakdown & maximum availability of plant & machinery increase up time and equipment reliability.
- Expertise in managing end-to-end maintenance operations by ensuring optimal utilization of technology resources. Comprehensive knowledge of electrical Safety norms and standards.

KEYWORDS

Energy Conservation Building Code (ECBC), Eco Niwas Samhita(ENS), Project Planning & Execution, Site Management, Project Coordination, Installation & Commissioning, Operations & Maintenance, Technical Support, Strategic & Resource Management, Quality Management, Troubleshooting, Electrical Maintenance, Inventory Management, Preventive Maintenance, Training & Development, Coordination with vendor and Project team for execution, Costing, Energy Conservation, Energy and Power Analysis, Power Factor Analysis

CAREER GROWTH CHART

| S.No. | Designation | Service Period | | Company Name |
|-------|---|----------------|----------|---------------------------------|
| | | From | To | |
| 1 | Consultant (ECBC-R/ENS Cell)- Clean Energy Division of Government Reforms & Infrastructure Development (GRID) | Feb-2020 | Till Now | Price Water House Coopers (PwC) |
| 2 | Assistant Manager Technical - (Electrical Project & Maintenance) | Oct-2015 | Feb-2020 | RSPL Ltd. |
| 3 | Sr. Engineer - Electrical Maintenance and Energy Project | Jun-2014 | Oct-2015 | Lohia Group(TIL) |
| 4 | Electrical Engineer - Electrical Maintenance & Project | Jul-2012 | Jun-2014 | RSPL Ltd. |

EDUCATIONAL QUALIFICATION

| S.No. | Qualification | Year | Percentage | Collage/School |
|-------|---|-----------|--------------------------|---|
| 1 | B. Tech (Electrical & Electronics Engineering) | 2012 | 70.63% (With Honours) | HCTM Kaithal Haryana |
| 2 | MBA (Power Management) | 2019 | 1st Division | University of Petroleum & Energy Studies Dehradun |
| 3 | Bachelor of Legislative Law (L.L.B) | 2019-2022 | Pursuing | Jhansi University |
| 4 | Intermediate (Science Side) | 2008 | 2nd Division | MIC Bithoor Kalayanpur Kanpur |
| 5 | High School (Science Side) | 2006 | 1st Division | MIC Bithoor Kalayanpur Kanpur |

KEY DELIVERABLES

- Preparation of Precision BOQ for project and work implementation to the best standard of execution so that Zero deviation in Rework & Rejection.
- Work for achieving the Operational Excellence with optimized COST, QUANTITY, DELIVERY, FLEXIBILITY to DO MORE & MORE with LESS & LESS Resources
- Work for Total Productive Maintenance implementation at plant level.
- Implementation of safety rules and ensuring Zero Accident.
- Technical BOQ Preparation & finalizing
- Work with HOD Guidance of goal setting for achieving OVERALL EQUIPMENT EFFECTIVENESS.
- Minimize turnaround time during Execution with interdepartmental coordination
- Technical Upgradation in Maintenance & Project by adding Value inputs.
- Ensuring the Timely Execution of Project (i.e. Budgeting, BOQ, Coordination, and Execution Etc.)
- Handle overall maintenance of the plant and utility machines which included Mechanical, Electrical & Instrumentation equipment
- Draw estimate of material required, conducting inspection of incoming materials & performing all Pre commissioning / Commissioning activities to facilitate project execution.
- Manage plant equipment procurement, spare parts inventory & supplies and other commercial functions like contract management, price negotiation etc.
- Carry out planned & predictive maintenance practices within the plant for better operation of equipment.
- Implement cost saving & energy saving measures for reducing the operational cost of plant.
- Conduct tests & doing inspections of plant for ensuring operational effectiveness of plant & utilities.
- Review and analyse the causes for breakdowns and initiated the remedial actions for rectifying the fault.

- Associate closely in project planning, contingency planning & schedules, identifying risks within defined scope, quality, time and cost constraints.
- Structure detailed budget for commissioning project, planned schedule of activities, mobilized resources - materials and manpower for successful execution.
- Formulate plan for inspection, shutdown jobs preparation & execution, breakdown analysis & action plans and Preparation of annual maintenance plans.
- Implement safety/environment systems/procedures with periodic reviews.
- Oversee all phases of project execution; approved engineering/design changes, troubleshoot and resolved complex technical problems, consistently met project deadlines and highest possible quality standards.
- Review and finalizing on plant automation and process simulation.
- Call project review meeting for analysing project progress & implementing effective systems for speedy project execution.
- Review operational practices, identify the areas of obstruction / quality failures and advise on system and process changes for qualitative improvement in productivity.
- Prepare Log books/ History Cards/ Maintenance Request Slip, etc. to log daily machine breakdowns.

PROFESSIONAL WORKING EXPERIENCE

1. Price Water House Coopers (PwC) – (Jan 2020 to Till Now)

Roles & Responsibilities – ECBC-R/ENS Cell Consultant

Working for Energy Conservation Building Code Residential/Eco Niwas Samhita currently associate with Uttar Pradesh New and Renewable Development Agency (UPNEDA), Lucknow & Government of Uttar Pradesh with the support of BEE and GIZ for the implementation of Energy Conservation Building Code in North Zone.

1. Take care of Eco Niwas Samhita(ENS Cell) for UPNEDA Uttar pradesh
2. Provide technical assistance for ECBC-R & ENS implementation and enforcement in the state.
3. Provide technical assistance to residential buildings to ensure ECBC-R & ENS compliant design.
4. Organise ECBC-R/ Eco Niwas Samhita (ENS) awareness workshops and training programs as per BEE scheme
5. Star rating of residential building as per BEE scheme.
6. Work for code implementation strategies, working with government bodies, awareness and capacity building programs, climate responsive building design, building performance analysis
7. ECBC Compliance of New Building along with detailed analysis.
8. Capacity Building of Government and Private Organization.
9. Analysis on issues related to energy efficiency with building energy simulation software
10. Energy efficiency intervention projects in buildings including passive techniques.
11. Amendment in Bye-Laws for incorporation of ECBC(Residential) in Bye-laws.
12. Working for the Schedule of Rate for Energy Efficient material in Energy Conservation Building Code.
13. Capacity building for government stakeholders (i.e. Development Authority all UP, and different housing and Discom agency)

2. RSPL LTD. (Rohit Surfactant Pvt. Ltd.)- (Oct 2015 - Jan 2020)

Roles & Responsibilities:-Assistant Manager Technical (Electrical Project & Maintenance)

- A. Installation of new Projects, Electrical Maintenance of PAN India Plants, Automation & R&D for all 4 Verticals of RSPL Ltd
- B. Energy Conservation Project, Energy Analysis & Cost Analysis of All Plants.
- C. Work for improving the Energy optimization & Audits in different section.
- D. Installation of 100000-ton Production S&D Factory in Patna and 8 other plants of RSPL Ltd.
- E. Installation of Diaper & Sanitary Pads Plant in Kasna G. Noida.
- F. Installation of Project for Namaste India (Dairy Plant), Red chief (Leather Shoes Plant), Furo (Shoes Plant), Ghari (Detergent FMCG Plant), Machine wash (Detergent FMCG Plant), Uniwash Plant (Detergent FMCG Plant), ProEase (Health Care Division).
- G. Modification and Automation of PAN India Soap & Detergent Plants.
- H. Take care of Maintenance of PAN India Soap & Detergent Plant of RSPL Group.
- I. **Reporting Mechanism** - 30 Engineers of different plant and their associates reporting directly to me regarding Maintenance and Project.

SKILL SETS

Installation and Maintenance

- Transformers upto 2.5 MVA.
- Power distribution through DG sets of upto 1010 KVA capacities.
- PCC/MCC/SDB/ LDB/ Utility equipment as WTP/ETP/STP, Air Compressor, DG, Boiler, Energy Station etc.HVAC, AHUs, Lighting of total plant.
- Timer installation in lighting circuit for day light utilization also energy saving via presence sensor in AC & lighting.
- Upto 800 KVA UPS with battery bank installation Active Harmonic Filters panels up to 500A of capacity to remove harmonics in network Maintaining Power factor.
- Electrical Infrastructure & Power restoration Installation of lighting circuit for day light utilization also energy saving via presence sensor in AC & lighting

Preventive and Predictive Maintenance

- Transformers 2.5MVA 33/11kV, 2.0 MVA 11/3.3 KV, 1.6MVA 11/0.433kV
- MCC & PCC (HT & LT) Panels, 33kV/11 kV Isolators, 33kV/11 kV Changeover switch
- 33kV/11 kV Switchyard
- Online UPS upto 1000 KVA of total plant & Motor Related to Utility Exposure in Budget preparation, Cost review, BOQ preparation, Spare management, Safety Management, Team Management, Energy Management
- Recognized for maximum uptime of plant & machinery that too without any major mechanical failures.
- Introduced new machine developments & new automation practices across the organization.
- Successfully headed numerous turnarounds Project, Modifications & shutdown assignments as well as significant installations & commissioning in the plants.

3. LOHIA GROUP (Threads India Ltd.) - (June 2014 – Oct 2015)

Roles & Responsibilities: - Sr. Engineer (Electrical Maintenance & Energy Projects)

- Energy saving Project with annual saving of 1.25 cr. for the company.
- Energy Conservation Project, Energy Analysis & Cost Analysis of All Plants of LOHIA GROUP.
- Costing, Energy Analysis, Budget Analysis, Maintenance Cost Analysis for the plant in technical department.
- Erection commissioning of A.C. Drives (ABB, Siemens, Schneider, Delta, Mitsubishi, Etc.).
- Erection & Maintenance of control panel for Foreign Imported machines (Twisting M/C, Braiding, Dyeing, Stretching M/C, etc.).
- MIS & Efficiency Report analysis for the Optimization & analysing of the production status w.r.t. power consumed.
- Review report of all electrical parameters of Machine & Plant which leads to save energy with its proper payback period.
- MIS report of Specific Energy Consumption (S.E.C) of the plant which shows the energy saving during the time when Production increases.
- Budgeting of the plant, Maintenance cost analysis New Project and Machine installation was with its proper optimization and. Plan Preventive, Schedule Maintenance & Proactive Maintenance, Viva Analysis.
- Design & Maintenance of new Power Distribution System in which the selection of main breaker, sub breaker, fuse, APFC, SVG, cable& its size installation.
- Steam audit & air audit in plant for efficient optimization of the utility.
- Installation and testing of New Earthing to ensure the proper safety provision in the Plant.
- Maintenance of D.G Rating Upto 1010 KVA and its optimization and synchronization along with the Efficient fuel use for saving.
- Maintenance & Installation of Transformer upto 1200KVA 33KV/11KV, & its OLTC.
- Reduction in Transmission Losses, Contact Losses in the panel in terms of extra saving of energy & capital.
- Maintaining plant comfort level by optimization of Plant Lighting, Thermal Comfort, Compressor, and Borewell which leads Energy Saving.

4. RSPL (ROHIT SURFACANTS PVT. LTD.) - (July 2012 - June 2014)

Roles & Responsibilities: - Electrical Engineer

- Electrical Maintenance in 10 Kanpur based units for the Company
- Energy & Power Analysis for the PAN India units for RSPL Ltd.

- Maintenance and Breakdown Cost Analysis for PAN India for RSPL Ltd.
- R&D and Technical Advancement made for the efficient performance of Machines and its smooth Operations.
- Energy and Power Factor Analysis.
- Energy Costing and Analysis.
- Green Field & Brownfield Plant Operation& Installation.

INTERNSHIP & TRAINING

1. Industrial Technical Advancement and its upgradation along with the Implementation training from ABB.
2. Training from BEE & EESL for energy conservation and its implementation for Residential and Commercial.
3. Technical Training for the usage of Energy Efficient Products and its uses from Siemens.
4. Training for Automatic Voltage Regulator (AVR) installation & its benefits Usage from Jindal.
5. Training for the Static VAR Compensator & SVG Installation, Usage & Its benefit from Delta Power Solutions & Epcos India Pvt. Ltd.
6. Specific Energy Consumption and International norms for the implementation for Industrial Safety & Utilization for Efficient use of machine.
7. CETPA INFOTECH PVT. LTD. - Matlab & Simulation
8. CETPA INFOTECH PVT. LTD. - Embedded & Advance Embedded System
9. UPPCL (2000 KVA T&D Unit of PANKI THERMAL POWER STATION, PANKI)
10. eQuest Software for Energy modelling and simulation
11. BEE Star labelling for Residential
12. ECO Niwas Samhita /ECBC(Residential) Analysis tool

TECHNICAL SKILLS

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|---------------------------|--|
| • SAP | : PM Module & MM Module for Project |
| • ERP | : Project and Material Management Module |
| • SIMULATION | : For Simulation(eQuest) and Analysis |
| • Operating System | : Windows 98, 2000, XP, Vista, 7,8,10 |
| • Software | : eQuest, Matlab & Simulink Embedded System. |

HOBBIES & INTREST

- Research and Development
- Fact Analyzing
- Playing
- Travelling and Reading

PERSONAL INFORMATION

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|---------------------------|--|
| Father's Name: | Dr. Prem Narayan Nigam (Deputy Director Seed & Farm/ASPO- CSA Agri. Univ. & Tech. Kanpur) |
| Mother's Name: | Mrs. Meera Nigam |
| Marital Status: | Married |
| Languages known: | English, Hindi |
| Permanent Address: | J-365 Keshavpuram Awas Vikas No.1 Kalayanpur, Kanpur U.P- (208017) |

Date

Atul Nigam