

VINAY SAREEN

Assistant Manager – L&T-S&L

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Proficiencies

Insulation Coordination Study using PSCAD; System Study & Relay Setting Calculation using ETAP

Engineering, Design & Analysis of Electrical System & Equipment

Conceptual support for Equipment Layouts, Earthing & Lightning Protection Layouts & Cable Raceway Layouts

Bill of Quantity Estimation & Cost Optimization, Vendor Qualification & Drawing Review, Resource Planning & Control

Software: ETAP, PSCAD, PVSYST, PVSOL, AUTOGRID, CALCULUX, DIALUX, MICROSTATION, MS Office

A goal-oriented professional with international exposure of working in **India, USA & UAE** and with clients based across the **Indian subcontinent, Middle East & Africa region and the US**; targeting middle-level assignments with a reputed organization, wherein I can utilize my technical & management skills to benefit mutual growth and success.

Professional Summary

- A B.E. (Electrical Engineering) professional with over **7 years** of sound experience in **Design Engineering** with industries such as **Combined Cycle and Open Cycle Gas Power Plants, Coal based Power Plants, Solar Power Plants & Substations**
- Experience in power plant/ substation layout engineering, design calculations and analysis of equipment & system
- Hands-on experience in resource planning, BOQ estimation and vendor development for obtaining timely procurement of materials & equipment at cost effective prices to ensure smooth execution of project
- Proficient in eliminating redundant/ obsolete processes involved in the project to improve the quality & productivity of the team
- Handling large scale project from client office in India, USA & UAE with geographically dispersed team

Growth with L&T- Sargent and Lundy Ltd.



Education

- B.E. (Electrical Engineering) from **Delhi College of Engineering**, Delhi, India in 2010.

Work Experience

Since July'10 with Larsen and Toubro-Sargent and Lundy Limited

As Assistant Manager, L&T-S&L, Baroda

Clients:

~ ENEC, UAE

~ Bangladesh Power Development Board

~ M.P. Power Generating Company Limited, India

- Designing & engineering of Plant Protection & Security System for Phase-2 of Barakah Nuclear Power Plant
- Performed Relay Setting Calculation using ETAP for Bibiyana Gas based power plant, Bangladesh
- Reviewed Illumination System vendor drawings for Malwa II (2x660MW Coal Based Power Plant), India.

As Assistant Manager, L&T-S&L, Faridabad

Clients:

~ M.P. Power Generating Company Limited, India

~ Akshay Jyoti Energies Pvt. Ltd

~ Bangladesh Power Development Board

~ ENEC, UAE

~ Saudi Electric Company, Saudi Arabia

~ Lanco Infratech Limited, India

~ NTPC Limited

~ L&T Power

- Deputed at Sargent & Lundy, Abu Dhabi for Phase-1 of Barakah Nuclear Power Plant for the designing, engineering & installation of Plant Protection & Security System.
- Performed Earthing & Lightning Protection (DSLPP) Calculation, and Cable Sizing calculation; provided conceptual support for preparation of Physical Layout, Cable Raceway Drawings & Earthing & Lightning Protection Drawings for Talaipalli Coal Mining Project (132/ 33/ 0.433 kV Substation)
- Performed Insulation Coordination Study and Analysis; provided conceptual support for preparation of General Arrangement Drawings, Cable Raceway Drawings and Equipment & Reinforcement Bar Earthing Drawings for Al Azizyah Substation (380/ 132/ 13.8 kV) & Al Waha Substation (380/ 110/ 13.8 kV), Saudi Arabia
- Developed design documents/ deliverables around a standard framework for Renewable Energy Projects and worked in the capacity of Team Lead with Akshay Jyoti Energies Pvt. Ltd (AJEPL) (2MW Canal Top Solar PV Plant). Conceptualized & optimized engineering quantity as per site conditions thus saving cost for client. Member of the L&T-S&L's BD team for Solar Power Projects.
- Performed Electrical System Studies (Short-circuit, Load Flow, Motor Starting) & Relay Setting Calculation using ETAP for Malwa II (2x660MW Coal Based Power Plant), India. Reviewed Illumination System vendor drawings.
- Prepared technical specifications and performed sizing calculation for LT Transformers, MV & LV Switchgears, HT & LT Cables ; reviewed vendor drawings; provided conceptual support to the physical team for General Arrangement drawings, Cable Raceway layouts; provided technical support for electrical requirement in various mechanical and civil packages for Lanco Amarkantak, Lanco Vidarbha & Lanco Babandh Power Plants
- Performed Earthing & Lightning Protection Calculation, provided conceptual support for the preparation of Earthing & Lightning protection layouts for Bibiyana Gas based power plant, Bangladesh
- Trained and developed a team of Engineers and Designers for performing Earthing Calculations, preparation of Equipment Earthing Layouts & Reinforcement Bar Earthing Layouts

As Senior Engineer, Electrical, L&T-S&L, Faridabad

Clients:

~ Tampa Electric Company, USA

- Detailed Engineering for Big Bend Station, Tampa Electric Company, a coal-fired plant with oil-fired peaking capacity, based in Tampa, United States. Reviewed Master Schematic Diagrams, Single Line Diagrams and Wiring Diagram.

As Senior Associate Electrical, S&L, Chicago

Clients:

~ SEPCO Electric Power Construction Corporation, China

~ Indianapolis Power & Light, USA

~ Tampa Electric Company, USA

- Reviewed vendor drawings of various electrical equipment and systems. Provided technical support for electrical requirement in various mechanical and civil packages for Ras Al Khair Desalination Plant, Saudi Arabia. The project included the building of a 2,650MW combined cycle power plant.

- Engineering and Review of Master Schematic Diagrams, Single Line Diagrams and Wiring Diagrams for IPL & TECO projects.

As Electrical Engineer, L&T-S&L, Kolkata Clients:

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| ~ Samsung SC&T, South Korea | ~ Zorlu Energy, Turkey |
| ~ L&T Power, India | ~ Visa Power, India |
| ~ PPN Power Generating Company Pvt. Ltd., India | ~ NCC Power Project Ltd. India |

- Deputed to L&T-S&L, Faridabad for 4 months for preparation of over 4000 Master Schematic Diagrams using Microsoft Visio for 3,927 MW Qurayyah Independent Power Plant, Saudi Arabia
- Performed Electrical System Studies (Short-circuit, Load Flow, Motor Starting) using ETAP, GCB Sizing Calculation, IPBD Sizing Calculation, Battery & Battery Charger Sizing Calculation and provided conceptual Support for Electrical Equipment GA Layout & Cable Raceway Layouts for 2 X 660 MW NCC Power Project
- Performed Cable Sizing Calculation for 3 x 360 MW PPN Combined Cycle Gas Based Power Plant, Tamilnadu, India
- Performed Indoor & Outdoor Lighting Design Calculation and Layout Preparation for 800 MW Dorad Combined Cycle Power Plant, Ashkelon, Israel
- Prepared Tender Specifications for 2x660 MW CESC Dhenkanal Supercritical Thermal Power Project
- Performed Proposal Engineering for Chittagong Power Plant, Ashuganj Power Plant, Sikalbaha Power Plant and Bhola Power Plant, Bangladesh & Proposal Engineering for 2x660MW VISA Cuttack Thermal Power Plant, Orissa, India.

Significant Accomplishments: (Across the Tenure)

- Adjudged as Top Performer for 5 consecutive years
- Youngest team member to be sent to S&L, Chicago on deputation in current organization
- Youngest of the chosen 36 employees from L&T Power (nationwide) to undergo a year-long First Level Leadership Program which I have recently completed successfully

Trainings & Certifications

- **Management Development Program for Individual Excellence** organized by L&T in conjugation with **XLRI**
- One year training in **First Level Leadership Program** in L&T-Power.
- Solar PV System Design Training using “**PVSYST & PVSOL**” Software conducted by **National Institute of Solar Energy**
- Three months training on Coal based Power Plants at **National Power Training Institute**, Nagpur, India
- L&T’s certification courses in **Finance Management, Business Communication, Gemba Kaizen, 5S Methodology, Six Sigma, Project Management, Risk Management** and **Operations Management**

Professional Affiliations

- As a representative of Sargent & Lundy, actively participated in many vendor meetings and presentations organized by Chicago Electric Association.
- Worked as a chief coordinator for various technical events organized by technical society IET (Institute of Engineering and Technology, a UK based Society) in college. Served as a Treasurer for Student chapter of the IET society in college.

Voluntary Assignments

- Worked as an active member of Chicago Centre of CRY (Child Rights & You) - Organized many fund raising events in Chicago.
- Mentored the team from Noida Institute of Engineering and Technology, Greater Noida, India to take part in ‘Great Moonbuggy Race’ organized by NASA.
- Participated in ‘DRDO Golden Jubilee Competition’ in which our team had to design a “Low cost outdoor surveillance system”.
- Participated in many national and international level technical competitions-a grain vending machine and electric vehicle being recognized and applauded by the then Delhi State Chief Minister- Mrs. Sheila Dikshit.

Personal Details

- **Date of Birth:** 30th September, 1986
- **Languages Known:** English & Hindi