

RAVIKUMAR DURAIRAJ

ELECTRICAL ENGINEER

Accomplished Electrical Engineer and seasoned Project Manager with a proven track record in steering diverse electrical infrastructure projects, ranging from high-voltage substations to intricate installations. Demonstrated expertise in resource management, adherence to schedules, and ensuring strict compliance with safety standards. Adept at leading cross-functional teams, cultivating lasting client relationships, and successfully overseeing transformer installations, GIS coordination, and commissioning activities. Seeking a challenging role to contribute technical acumen, leadership skills, and an unwavering commitment to excellence within the Saudi Electricity Company (SEC), akin to the role in India's State Electricity Board, as an Approved Project Manager.

WORK EXPERIENCE

Project Manager - Electrical Department

National Contracting Company – Rezayat Group, Dammam, Kingdom of Saudi Arabia
Jan 2010 to Present

Projects

Expansion of Saad PV 380/132kV BSP, Riyadh

- Contract No.: 4400017284
- Budget: 328 MSR

New Aseelh 380/115/13.8kV BSP, Jizan

- Contract No.: 4400013230
- Budget: 228 MSR

Dhahran Home Ownership 380/115/13.8kV BSP, Dhahran

- Contract No.: 4400006064/00
- Budget: 924 MSR

KFUPM 115/13.8KV Substation, Dhahran

- Contract No.: 33118002
- Budget: 69 MSR

Doha 380/230/115/13.8kV BSP, Dammam-Doha

- Contract No.: 31131131/00
- Budget: 528 MSR

Sadarah, 380 / 230 kV Substation, Jubail-2

- Contract No.: 31133112/00
- Budget: 320 MSR

Royal Commission, Jubail-2 Substation -3

- Contract No.: 071-C14
- Budget: 238 MSR

Responsibilities

NEW ASEELH 380//115/13.8kV BSP

- Leadership and Safety: Led project personnel in establishing and implementing safe work procedures, ensuring a secure work environment for all team members.
- Project Planning and Monitoring: Developed comprehensive project schedules, conducted resource leveling, and monitored project progress. Provided direction to project superintendents and subcontractors, ensuring the timely achievement of deliverables.
- Financial Management: Managed all financial aspects of the project, focusing on cost-effectiveness and budget adherence.
- Client Relationship Management: Cultivated and maintained long-term client relationships, contributing to successful project outcomes and client satisfaction.
- Technical Coordination: Coordinated testing, commissioning, and installation activities, overseeing the deployment of transformers, GIS, and switchgear.
- Reporting and Communication: Prepared and presented detailed weekly project update reports to senior management, facilitating transparent communication.

DHAHRAN HOME OWNERSHIP 380//115/13.8kV BSP

- Transformation Coordination: Directed the installation coordination of 502 MVA & 67MVA transformers, overseeing manufacturing processes from Alstom, Turkey.
- Erection Oversight: Orchestrated the erection coordination of 380kV and 115kV GIS systems from ABB and Alstom-GE, Switzerland.



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SKILLS

- Project Management
- Erection Coordination
- Transformer Installation
- GIS (Gas Insulated Switchgear) Expertise
- Control & Protection Panel Installation
- Cable Laying and Termination
- Testing and Commissioning
- Procurement Strategy
- BOQ (Bill of Quantities) Analysis
- Material Ordering
- Daily Reporting
- Site Management
- Switchgear Erection
- LT & HT Panel Installation
- Cable Rack Installation
- Project Quotation
- Wind Farm Engineering
- Strategic Material Procurement
- Equipment Grounding
- Lighting System Installation



CERTIFICATION

- PMP Certificated
- IIRSM Certificate - Managing Risk the Essentials
- Work at Height (WAH) & Rescue - DELTA PLUS
- Saudi Council of Engineers Certificate
- Leadership Training Certificate



LANGUAGES

- English
- Tamil
- Hindi

- Switchgear Installation: Managed the installation of 13.8 kV switchgear (ABB, KSA) and associated control & protection panels.
- Safety Leadership: Led project personnel in establishing safe work procedures, ensuring a secure work environment for all team members.
- Project Management: Presented weekly project update reports, managed financial aspects for cost-effectiveness, and developed work plans.
- Client Relationship Building: Developed and maintained strong, long-term client relationships, contributing to successful project outcomes.

DOHA 380/230/115/13.8kV BSP

- Transformer and GIS Coordination: Coordinated the erection of transformers (752.5MVA, 502MVA, and 67MVA) and associated GIS systems (380kV, 230kV, 115kV).
- Switchgear Installation: Oversaw the installation of 13.8 kV switchgear (Alfanar, KSA) and control & protection panels.
- Project Leadership: Took responsibility for the successful completion of construction activities, establishing overall administration and technical direction.
- Collaboration with Design Engineering: Collaborated with design engineering to ensure constructability and adherence to safety policies.
- Project Management: Managed project execution plans, staffing plans, and equipment schedules for substation projects.

Sadarah 380/230kV BSP

- Coordination and Installation: Oversaw the erection of a 750 MVA-380KV rating transformer from Hyundai, Korea, and installed associated 380kV GIS with 1½ Breaker -5 bays.
- Electrical Setup: Installed 13.8 kV switchgear (ABB), control & protection panels, 125V/48V battery chargers, and battery banks. Coordinated testing, commissioning, and meticulous documentation.
- Project Management: Monitored daily progress, conducted client meetings, and managed manpower allocation. Ensured compliance with environmental impact studies and maintained a focus on safety.

Royal Commission RC 071-C14, 230/34.5kV S?S

- Erection and Installation: Coordinated the erection of a 100 MVA rating transformer (Areva) and 230kV GIS with 32 bays (Areva, Model- B105). Installed 34.5kV switchgear (ABB) and fiber optics cables.
- Cable Infrastructure: Oversaw cable rackways, supports, and laying extra-high-voltage power cables (XLPE Cable 2500 sq.mm) to meet project specifications.
- Project Oversight: Managed planning, scheduling, and progress oversight. Prepared daily and monthly reports, participated in client meetings, and ensured thorough documentation.
- Safety Leadership: Assumed an active role in maintaining a safe workplace, prioritizing safety protocols and adherence to industry standards.

Project Engineer (Electrical Dept)

Power Links Qatar LLC , Doha, State of Qatar

Jan 2008 to Dec 2010

Licensed as LOA Holder with Approval at Kharamaa Licenses

Projects

- Abu Nakhla Super Substation: Managed the erection coordination of 800 MVA, 500 MVA, and 132 MVA rating transformers (ABB, Siemens) and the installation of 400kV GIS (ABB, 40 Bays).
- Duhkan Road Super Substation: Oversaw the erection coordination of 500 MVA rating transformers (ABB) and the installation of 400kV GIS (ABB, 40 Bays).
- Raslafan Project: Collaborated with main contractors CTJV & CCIC for STG & GTG erection.

Responsibilities

- Transformer Erection: Coordinated the erection of diverse transformers, including 800 MVA (ABB, 2No's), 500 MVA (ABB, 2No's), and 132 MVA (Siemens, 2No's).
- GIS Installation: Led the erection coordination of a 400kV GIS (ABB, 40 Bays) system, ensuring precise installation and functionality.
- Panel and Equipment Installation: Oversaw the erection of control & protection panels, AC & DC panel boards, and the installation of 11kV/440-volt Station Service Transformer.
- Switchgear Erection: Managed the erection of 11kV switchgear, ensuring optimal functionality and adherence to specifications.
- Outdoor Infrastructure Installation: Oversaw the installation of 400kV GIB-9 bay outdoor gantry structures, ensuring structural integrity and safety.
- Cable Management: Directed control & power cable laying and termination work, including Extra High Voltage power cable (XLPE Cable 2500 sq.mm), ensuring efficient power distribution.
- Grounding and Lighting: Managed the installation of complete indoor/outdoor equipment grounding, laying of ground mats, and its testing. Oversaw the installation of indoor/outdoor lighting systems.
- Civil Works Coordination: Coordinated civil works for cable conduits, building lighting conduits, floor openings, and the complete substation infrastructure.
- Project Documentation: Prepared quotations, secured work orders from Site Supervisor, and provided daily, weekly, and monthly reports to both Project Manager and Clients.

Site Engineer (Electrical Dept)

PRV Construction (P) Ltd., Mumbai, Punjab, Tamil Nadu

April 2005 - Dec 2007

Projects

- 250 MW Thermal Power Plant - Tata Power Projects, Mumbai
- 2 x 250 MW Thermal Power Plant - LMTPS, Punjab
- 132/33 Substation Erection & Commissioning - Vestas Wind Technology, Tamil Nadu

Responsibilities

- Quotation Preparation and Work Order Acquisition: Proficiently prepared detailed project quotations and secured work orders through effective communication and negotiation.
- Strategic Material Procurement: Conducted strategic material orders, ensuring optimal resource utilization for erection projects.
- Effective Daily Reporting: Provided detailed daily reports to the Site Manager, fostering transparent communication and project oversight.
- Erection of 400 MVA Transformer and Switchgear: Led the successful erection of a 400 MVA transformer and coordinated the installation of switchgear, LT, and HT panels.
- Extra High Voltage Cable Laying: Executed precise cable laying for Extra High Voltage power cables, ensuring adherence to industry standards.
- Coordination Testing and Commissioning: Played a pivotal role in coordination testing and contributed to the commissioning process for erected equipment.

Wind Farm Engineer - Electrical Engineer

Murugappa Morgan Thermal Ceramic Ltd Tamil Nadu

May 2004 – March 2005

Responsibilities

- Quotation Preparation and Work Order Acquisition: Prepared project quotations, securing work orders by collaborating effectively with the Site Supervisor.
- Strategic Material Procurement: Executed material orders strategically, considering BOQ and site conditions for Erection Projects.
- Daily Reporting and Coordination: Provided transparent daily reports to the Site Manager, ensuring effective project oversight.
- Testing and Commissioning: Contributed to the coordination, testing, and commissioning processes for successful Erection Projects.

EDUCATION

Bachelor of Electrical Engineering

- Sivanthi Adithanar College of Engg., Thiruchendur
- Manomanium Sundarnar University, Tirunelveli 2004

Dear Hiring Manager,

I am writing to express my interest join your esteemed organization, as advertised. With a strong background in Electrical Engineering and a proven track record in managing diverse projects, I am confident in my ability to contribute effectively to your team.

Throughout my career, I have successfully led the execution of complex projects in the electrical sector, including high-voltage substations and thermal power plants. My expertise includes coordination of installations, testing, commissioning, and managing financial aspects of projects. I am adept at establishing and maintaining strong client relationships, ensuring projects are completed safely, on time, and within budget.

My commitment to safety, proficiency in resource allocation, and effective communication skills have been instrumental in my ability to oversee projects from inception to successful completion. I am excited about the opportunity to bring my skills and dedication to your team and contribute to the continued success of your projects.

Thank you for considering my application. I look forward to the possibility of discussing how my experiences align with your organization's needs.

Sincerely,

Ravikumar Durairaj