

# ELECTRICAL ENGINEER + MEP

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## OBJECTIVE ||

Highly skilled and experienced Electrical Designer with a proven record of completing complex projects for a wide variety of clients. Adept at quickly understanding a project's parameters and requirements. Solutions-oriented and analytical with ongoing success in contributing to reliable, best-in-class Electrical design procedures. Adept at readily gathering and translating complex requirements into viable solutions. Strong proficiency in Project Management. Excel at collaborating across departments; coordinate with staff and managers to complete projects on time and within budget.

## KEY PROJECTS ||

Designing and drafting of substation for NATIONAL GRID Saudi Arabia, and Saudi Electricity Company (SEC) as per the information of their clients ABB, ALSTOM and SIEMENS.

Preparing Single Line Diagram with CT/ VT Data, Electrical Schematic Drawings and Drawing Control Sheet, Built Drawings by using AutoCAD & MICROSTATION software.

## WORK EXPERIENCE ||

ASST. ELECTRICAL ENGINEER

PEACOCK RESOURCES, INDIA

Based out of India with operations across the world, Peacock Resources is a leading provider of outsourcing services for Engineering projects that includes Engineering Designing, Engineering Drafting, Structural Designing etc. Prominent clients include DEWA, ABB, Siemens, Dubai Petroleum, Areva, Petrofac etc. Part of an in-house team, my responsibilities also included:

- Created wiring designs for substations and switchyards
- Crafted arrangement of control panel equipment
- Assisted with preparing scope documents and proposal estimates
- Executed task plans in accordance with production methods
- Designed full wiring diagrams for panel assembly drawings

Key projects I worked on:

- SABYA NORTH (ABU QAEED) 132/33 kV SUBSTATION FOR GE
- 110-13.8kV BALAD-2 SS FOR ABB
- CONSTRUCTION OF WAAD SHAMAL 380/132/33 kV BSP FOR SIEMENS
- CONSTRUCTION OF NEW AL-AZIZYAH 380/132/13.8kV BSP#9044 FOR ALSTOM
- CONSTRUCTION OF TABARJAL 380/132/33 kV BSP FOR SIEMENS
- 110-13.8kV BAYDA-2 SS FO ABB

**HVAC Designing & Drafting**

- Heating & cooling load calculation (Manual method, Excel format, HAP 4.31).
- Selection of grills & diffusers, designing of air distribution duct systems.
- Chiller pump head calculation, chilled water pipe sizing and drafting.
- Prepare ventilation layouts for kitchen and toilets.
- Indoor & outdoor unit locations.
- Pipe sizing and routing.
- Designing & drafting HVAC services (AC & Ventilation systems).

**ELECTRICAL Designing & Drafting**

- Designing & drafting ELECTRICAL services (Lighting, Power, Fire alarm, Earthing)
- Load schedule preparation as per authority requirements
- SLD (Single Line Diagram) Preparation
- Light Lux Calculation
- Cable, breaker, isolator selection and calculation's
- Bus bar Selection and calculation
- Emergency lighting

**PLUMBING Designing & Drafting**

- Designing & drafting PLUMBING services (Water supply & drainage systems).
- Pump selection and head calculation.
- Pipe sizing.
- Water demand calculations (U/G tanks).
- Preparation of toilet water supply and drainage layouts.

**FIRE FIGHTING Designing & Drafting**

- Designing & drafting FIRE FIGHTING services.
- Sprinkler pipe selections.
- Pipe sizing.
- Fire hydrant selection and locations.

**QUALIFICATIONS ||**

BE ELECTRICAL AND ELECTRONICS ENGINEERING (EEE)

VISVESVARAYA TECHNOLOGICAL UNIVERSITY (VTU)

Bachelor of Engineering in Electrical and Electronics Engineering (2014-2018) from Srinivas Institute of Technology (SIT), Mangalore, India.

Professional Diploma in MEP Designing and Drafting as per ASHRAE, ISHRAE codes & standards from SMEC Labs, Kochi, India.

**ENGINEERING AND TECHNICAL EXPERTISE ||**

- **Tools:** RevitMEP, AutoCAD, MAT LAB, Autodesk, Microstation
- **Design:** DIALux, A/D and D/A Conversions; Circuits; Analog / Digital / Mixed-signal Design

**REFERENCES ||**

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