



BASIL .A

ELECTRICAL ENGINEER

Result oriented, proactive and hardworking Electrical Engineering professional with four year of experience in operations and maintenance at Substations in Kerala state electricity board limited, Construction site including LV&HV and Power Engineering (Transmission and Distribution). Proven abilities in Testing, Commissioning and project co-ordinations.

CAREER OBJECTIVE

To obtain a challenging position in a high quality engineering environment where my resourceful experience and academic skills will add value to organizational operations.

PROFESSIONAL EXPERIENCE

➤ KERALA STATE ELECTRICITY BOARD LIMITED- KERALA, INDIA

Sep2016-
Jan2022

POSITION:-SUBSTATION OPERATION AND MAINTENANCE

Kerala State Electricity Board Ltd (KSEBLtd) is a public sector undertaking under the Government of Kerala, India, that generates, transmits and distributes the electricity supply in the state.

OBLIGATIONS :

- Operation of SF6 and Vacuum Circuit breakers (ABB, SIEMENS, AREVA, ALSTOM, ALIND) and isolators.
- Inspection of equipment, such as transformers, pumps, fans, batteries, and circuit breakers to detect defects and indications of line disturbances.
- Analysis of Panels and Relays used in protection, measurement and controlling of power instruments.
- Experience in Safety measures and Fire Fighting Equipment
- Controlling of 110V DC Battery sets and charging systems for Relay and Control panel supplies, current converters, voltage transformers and circuit breakers.
- Safety awareness training conducted by state electricity board knowledge of Wire line training level (Technical and Safety)
- Calculation of average and peak load conditions and compile periodic report of load variations for system planning purpose.
- Power Equipment Testing and Transformer Oil Filtration

➤ KERALA STATE ELECTRICITY BOARD LIMITED- KERALA, INDIA

May 2019-
Nov 2019

POSITION:- TESTING AND COMMISSIONING ENGINEER

OBLIGATIONS :

- Testing and Commissioning of substation protective relays like O/C and E/F relays (Easun Reyrolle MIT121 / MIT113 / MIT114 / 2TJM11 / TJM10, 7SR1002, MEGAWIN-MW140, ALIND TSA11 / TSA302, MiCOM P141).

EDUCATION

2012 – 2016

**B.TECH - ELECTRICAL AND ELECTRONICS
ENGINEERING
(CGPA=6.8)
UNIVERSITY OF CALICUT, KERALA, INDIA**

**DIPLOMA – REVIT MEP
MEDAC Enterprises Pvt. Ltd,
CALICUT, KERALA**

CORE COMPETENCIES

TEAM BUILDING & LEADERSHIP
OPERATIONS & MAINTENANCE
ELECTRICAL TESTING/ANALYSIS
PROJECT MANAGEMENT
TROUBLESHOOTING
DOCUMENTATION
SUPERVISION

LANGUAGES

English
Malayalam
Hindi
Arabic(Read write)

ACHIEVEMENTS

- Installed and repair 110kV, 33kV, 11kV breakers on Substations
- Participate in Upgrading of 16MVA transformer in to 25MVA transformer
- Installed 50kW Solar Plant for Domestic Purpose

PERSONAL DETAILS

- Nationality : Indian
- Sex : Male
- Marital Status : Married
- Religion : Muslim
- License : Indian Driving License

PASSPORT DETAILS

- Passport No. : L2362803
- Expiry date : 19/06/2023

REFERENCES

- Available on Request.

- REF relays (English Electricals MCT119 / MCT114).
- Differential Relays (SEL-787, SIEMENS DUOBIAS-M, MiCOM P543Alstom DTH31 etc.)
- Distance Relays (MICOM P442, SEL 311C, ZIV/#ZLV).
- LBB relay (avara NPA 312L), B90 Bus differential system
- Pre commissioning tests on Transformers-Excitation turns ratio, IR Tests, Core balance and Vector group test.
- Pre commissioning tests on CT- saturation curve, ratio test, and polarity test & IR tests.
- Skilled in electrical scheme checking of control panels
- Inspection of control panel and preparation of test report
- Earth Resistance measurement using MEGGER kit.
- Tan Delta measurement of 110kV and 33kV Transformer, CT's, PT's and CVT's using MEGGER DELTA 4000 kit.
- Contact Resistance measurement of Circuit Breakers using MICRO-OHMMETER.

➤ **MEDAC ELECTROMECHANICAL ENTERPRISES.PVT.LTD**
MALAPPURAM, KERALA

Dec2017-Dec2018

POSITION:- MEP ENGINEER

OBLIGATIONS :

- Review and analyze all MEP drawings, materials, schedules/programs of work, etc.
- Review the shop drawings, construction details, product data, material samples, inspection plans, methods statements, delivery schedules to confirm compliance with the requirements of projects.
- Design, installation and testing of Motor, Alternator and Control panels.
- Supervised residential & commercial building electrification
- Coordinating between MEP and Civil Drawings at the site.
- Preparation of all Electrical shop drawings i.e. Lighting, Power, Fire Alarm, Data, Telephone, CCTV, MATV, Clock, Public address, Panel board schedules, Cable tray, Single line diagram etc.

TESTING KIT AND SOFTWARE

RELAYS HANDLED:

- Micom Alstom / Areva / Schneider (P442, P141, P643)
- Siemens (7SA52, 7SR100)
- ABB (REL 650, RET670, REF610)
- SEL (311C, 351, 787)
- Crompton Greaves/ ZiverCom (8ZLV, 14C)
- GE Multilin F650 Bay Controller/ B90 Bus Differential System

TEST KITS:

- OMICRON CMC 356
- SEVERKER 780 / PROGRAMMA
- 1A (Secondary injection)
- 1B (Primary injection) Test set
- IR Test Kit (Megger)
- BDV Test Kit (100kV)

- Transformer Oil Filtration/ Vacuum plant (N.I.P 6000LPH)

SOFTWARES:

- AutoCAD, Revit MEP, MS Office, SEL acSEerator, Micom Agile(ALSTOM), PCM 600 V2.6(ABB), DIGI v5 (SIEMENS), Esergy 6.0 (SCHNEIDER), Enervista(GE), Sivercon plus(ZIV)

SKILLS

- **Communication:** Communicate with engineers to plan projects, prioritize and engage in time management to ensure efficient operation.
- **Team building and Leadership:** Building group to complete project tasks as an active member and lead the team for timely completion of work.
- **Documentation:** Efficiently creates and maintain comprehensive project documentation.
- **Project management:** Maintenance work helped me to learn how to solve problems as they arise in an efficient manner.
- **Planning / Organizing:** Planning and organizing skills developed during academic studies and day-to-day activities.
- **Critical Thinking:** Logical thinking to analyze electrical issues and proffer solutions, techniques, and conclusions.

TRAINING & CERTIFICATION:

Petarc: - "BASIC APPROACH TO TRANSMISSION SYSTEM (O & M OF SUBSTATION & TRANSMISSION LINES) FOR GRADUATE ENGINEERS" conducted at POWER ENGINEERS TRAINING & RESEARCH CENTER (PETARC) which is CEA Recognized Category No.1 Training Centre in Moolamattom India under KERALA STATE ELECTRICITY BOARD (KSEB LTD).

ERTC:- Three month Training Conducted by Energy Conservation Society, and One Month Internship From Go Green Solar Pvt.Ltd as Installation And maintenance Engineer

DECLARATION

I consider myself familiar with engineering aspects and I am confident in my abilities to work in a team and as an individual. I hereby declare that the information provided is true to the best of my knowledge.

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