

Nisham Kuzhimattikalathil

Electrical Engineer

Power System and Protective equipment's function learning enthusiasts. Passionate about learning new technologies and ready to enhance my skills to tackle new challenges.



nishamkk7@gmail.com ✉

+971581125320 📞

Salah Al Din, Dubai, UAE 📍

17 April, 1996 📅

linkedin.com/in/nisham-kk-86026b157 in

WORK EXPERIENCE

Production Engineer Star Electromechanical LLC

10/2020 - 01/2021

LV Switchgear Panel Manufacturing

UAE

Achievements/Tasks

- Prepare Estimation and quotation.
- Design Panel Arrangements of Switchgears as per customer needs.
- DEWA, SEWA and FEWA approved Design.
- Prepare Job card and Supervise the project.
- Familiar with MDB (Form 2 and Form 4), SMDB, DB, Control Panel and Capacitor Bank.
- QC testing of All Switchgear Panels.

Shift Operator

Kerala State Electricity Board Pvt.Ltd

07/2020 - 10/2020

220 KV Substation

Elankur, Kerala

Operation /Maintenance experience in:

- Substation Automation System (SAS).
- 220kV Ring Bus arrangement system and 110kV Double Bus arrangement system.
- SF6 CB, VCB, 125 KVA Diesel Generator, Fire Fighting Systems, CTs, PTs, Lightning Arresters, CVTs, etc. (up to 220kV)

Contact: Mr.Fibin Mohammed K(Assistant Engineer)Elankur Substation -
Contact No:+919645152252 Email ID:aetcmanner@gmail.com

Testing and Commissioning Engineer Kerala State Electricity Board Pvt.Ltd

07/2019 - 07/2020

Relay testing division

Edarikode, Kerala

Operation/Tasks:

- Testing and Commissioning of EHV Substations up to 220 kV.
- Testing and Commissioning of Relay Panels, Transformer, CT, and Busbar line.
- Routine testing of various types comprising of Numerical, Static and Electromechanical types; used for Distance protection, Transformer/Line/Bus-bar Differential protection relays, REF relays and O/C-E/f relays.
- Familiar with Numerical Protection Relays of SEL, ZIV, MiCOM and SIEMENS.
- Familiar with SVERKER 780, OMICRON CMC 356 testing kits and Megger DET4TCR2 4 Terminal Ground Resistance Tester.
- As a team member, coordinating with testing engineers, technicians and Reporting to the Assistant Executive engineer on regular updates of the project.

Contact: Mr.Abdul Azeez(Assistant Executive Engineer)Relay Sub Division
- Mobile No:+919495163518 Email ID:aerlyekd@gmail.com

TECHNICAL SKILLS

Tools -SVERKER 780,
OMICRON CMC 356, Megger
DET4TCR2

Software-AutoCAD
Electrical, ZiverComPlus,
AcSEerator Quickset,
MiCOM S1 Agile, Test
Universe, Matlab

Technical Writing-
Engineering Drawing of
Control and Relay Panels

ACHIEVEMENTS

First rank holder in Lateral Entry Examination conducted by kerala technical board, in Electrical and Electronics Stream. (06/2016)

PROJECTS:

Project Name

- 70 KVAR capacitor bank and 2500 A Form-4 MDB
- Star-Delta starter control panel and Main and Ups bypass panel.
- DOL starter control panel.
- 160 A SMDB, 200A Meter Cabinet and Six numbers of 5 Raw DB's.

CERTIFICATES

Power System Protection and Switchgear Course-
Indian Institute of Technology, Roorke
(09/2020 - 01/2021)

• This 8 week long specialised NPTEL course enhance the knowledge in power system protection and Switch gear.

TRAININGS

Industrial Training - Kuttiadi Hydro Electric Project-
KSEB Pvt Ltd

The course focuses on electric power generation and transmission.

Industrial Training-United Electrical Industries LTD

The practice mainly focus on Electro-Mechanical meters and Electronic meters for industrial purposes.

Industrial Training- TMR Division, KSEB Pvt Ltd

The course covered Transformer maintenance and design.

LANGUAGES

English
Full Professional Proficiency

Malayalam
Native or Bilingual Proficiency

PERSONAL QUALITIES

Bachelor of Technology-Electrical and Electronics Engineering

75%

College of Engineering, Trivandrum

06/2016- 06/2019,

Diploma-Electrical and Electronics Engineering

88%

Government Polytechnic college,Perinthalmanna

06/2013 - 03/2016,

Higher secondary

Government Boys Higher Secondary School

04/2011 - 04/2013,

78%

SSLC

Government Boys Higher Secondary School

04/2010 - 04/2011,

88%

PERSONAL QUALITIES

- Hard working and dedicated.
- Problem solving and Time management.
- Good inter personal relationship and Flexibility.

DIFFERENT TYPES OF TEST

CONDUCTED:

- Differential Relay slop test, IDMT Relay curve test and Testing of directional over current and Earth fault relays.
- Tested up to 200 MVA Transformers in various Vector groups and configuration.
- Tested short circuit test, vector group test, HV/LV magnetization test, core balance test on Power Transformers.
- Tested Differential stability and REF stability of Transformer protection relays.
- Tested Open circuit test, Ratio test, Polarity test, Insulation resistance test on CT.
- Tested secondary lead injection test on CT and CVT/PT.

- Familiarised with Double Bus bar, Main-Transfer Bus bar and Ring Bus bar system
- Commissioned Line /Transformer Control Relay panels up to 220 kV.
- DC scheme Trip logic checks.

DIFFERENT TYPES OF OPERATIONAL EXPERIENCE:

- Transformers up to 100MVA (220/110kV).
- SF6 Circuit Breakers (220kV, 110kV) outdoor.
- Vacuum Circuit Breakers (11 kV) indoor.
- 125 KVA Diesel Generator.
- Basic experience in 110 KV GIS substation.
- 110Volt, 400 Ah Battery and Battery charger
- CTs, PTs, Lightning Arresters, CVTs, etc. (up to 220kV).
- Laying and Termination of Control Cables in 220kV, 110kV Yard Equipments.
- Fire Fighting Systems.
- Power equipment testing devices such as Megger up to 5kV, Break down Voltage tester.

DECLARATION

I consider myself familiar with company aspects. I am also confident of my ability to work in a team. I hereby declare that the information furnished above is true to the best of my knowledge.

Nisham Kuzhimattikalathil