

KARTHICKEYAN S

OPERATION ENGINEER MAINTENANCE - ELECTRICAL & INSTRUMENTATION

CONTACT

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📍 Chennai

EDUCATION

2021 - 2023

MUTHAYAMMAL
POLYTECHNIC INSTITUTION

- Diploma - Electrical and Electronic Engineering

SKILLS

- Machine Installation & Commissioning in Greenfield
- Preventive Maintenance (PM)
- Corrective Maintenance (CM)
- Predictive Maintenance
- Electrical Troubleshooting
- PLC & Automation
- Motor & Drive Maintenance
- VFD, MCC, Control Panel
- Wiring & Cabling
- Industrial Equipment Maintenance
- Safety Compliance / Lockout-Tagout (LOTO)
- Root Cause Analysis (RCA)
- Instruments & Sensors
- Kaizen
- Maintenance Scheduling
- Technical Documentation
- Read Electrical Drawings

PROFILE SUMMARY

Skilled Electrical Maintenance Engineer with 3 years experience in preventive maintenance, troubleshooting, repair, and installation of electrical systems in manufacturing and industrial environments. Proficient in handling HT and LT line, transformer, VCB, ACB, motors, VFDs, control panels, wiring, sensors, automation equipment and PLC systems. Strong knowledge of electrical safety standards, root cause analysis (RCA), TPM, and predictive maintenance. Adept at reducing machine downtime, improving equipment reliability, and supporting continuous improvement initiatives. Recognized for quick problem-solving, compliance with GMP, 5S, SOPs, and effective coordination with production and quality teams.

WORK EXPERIENCE

Godrej Consumer Products Limited 2024 - PRESENT
Greenfield - Onehub, Chennai

Operation Engineer - Electrical & Instrumentation

- Supported plant commissioning and start-up activities in the Greenfield FMCG project, including installation, wiring, and testing of new equipment and utilities.
- Installed, commissioned and troubleshot HT, PCC, MPDB, PMCC, MCC panels in sub-station and manufacturing area.
- Assisted in erection of electrical panels, MCCs, VFDs, PLC-based control systems, and packaging line machinery as per project specifications.
- Coordinated with project, OEM, and contractor teams to ensure timely installation and commissioning of electrical systems for production, utilities, and packaging areas.
- Performed preventive and corrective maintenance on newly commissioned FMCG equipment such as conveyors, packing lines
- Troubleshot automation components including sensors, photo sensor, proximity switches, and servo/drive systems.
- Assisted in establishing maintenance systems, spare parts planning, checklists, and SOPs for the new facility.

ZF Rane Automotive Pvt Ltd 2023 - 2024
Chennai

Maintenance Trainee - Electrical

- Assisted senior technicians in basic electrical maintenance, troubleshooting, and routine equipment inspections.
- Gained hands-on exposure to motors, control panels, MCB/MCCB, wiring, relays, and industrial electrical components.

STRENGTH

ELECTRICAL

- Worked in 33KV HT line
- Worked in VCB and ACB
- Worked in 2500 KVA transformer
- Handling 2 - 1250 KVA DG and DG sync panel
- New Motor (160KW) and Panel installation and cable selection
- Control Panel wiring troubleshooting
- VFD troubleshooting
- Handling 5 80 KVA UPS and 3 60 KVA UPS
- Handling PCC panel, MPDB panel, MCC, PMCC
- Working in APFC panel

INSTRUMENTATION

- Right basic PLC program and rules knowledge
- SCADA monitoring and problem troubleshooting
- Handling sensors relay contactor
- Handling control valve and IO test
- Worked in load cell
- Worked in all transmitter sensors (PT, TT, Flowmeter)

ACHIEVEMENTS

- HT panel MD (Maximum Demand) KVA interlock installation done
- Product jamming sensor installation - KAIZEN
- Wrong orientation of product ejection system - KAIZEN
- Interlock installation for defect products - Machine Auto cutoff - KAIZEN
- Electrical energy saving interlock in all conveyors and lights
- Safety interlock installation

TOOLS HANDLED

- Multimeter
- Clamp-meter
- Earth testing meter
- Megger
- Lux meter
- Tachometer
- Crimping tool

SAFETY COMPLIANCE

- LOTO
- PTW
- Electrical safety
- Hazard observation and reporting

SOFTWARE

- MS OFFICE (Excel, Powerpoint, Word)

REWARD AND RECOGNITION

- Awarded 2 times for best safety kaizen
- Awarded "Best employee" for reducing breakdowns
- Bagged award in "QCFI" for 'Line stabilization'

TRAINING & CERTIFICATION

- VFD training - Powerflex Rockwell Automation
- Basic electrical training - NTTF

DECLARATION

I hereby declare that all the information provided above is true and correct to the best of my knowledge and belief.