

RESUME

MARUTHU PANDIAN.S

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Position: Electrical Commissioning Engineer

Objective

To achieve a challenging position in the field of Electrical and Electronics in Engineering & process industry that promotes my professional prospects and to excel in my career.

Educational Profile

B.E. Electrical and Electronics engineering
Anna University, Chennai. (NBA Accredited)

Experience

Employer	Designation	Location	From	To
Gulf Spic / Kuwait Oil Company, North Kuwait (GC-29/30)	Electrical Technician	Kuwait	Mar 2018	June 2019
SEC Engineering / Siemens Ltd	Electrical commissioning and service engineer	India	May 2016	Mar. 2018

Software skills:

- Digi 4.9 (Siemens siprotec relays)
- Reydisp (Siemens easun reyrolle relays)
- Zenon 4.7 (ESCADA navigation and operation)
- Autocad

Skills highlights:

- Configuration programming of siemens make relays both easun reyrolle and siprotec models.
- Expertise in control wiring modification, logics building, configuration of Siemens numerical relays and hands on experience upto 400KV Circuit breakers.
- Skilled to Erection, test and commissioning all types of protection system Relays, switchyard and switch gear equipments such as current transformer, voltage transformer, circuit breaker and isolators.
- Skilled in all types of scheme checking such as transformer protection, motor

protection, differential schemes, capacitor bank stage controls and interlocks and other control circuit schemes with various system.

Responsibilities / Job's Handled in Kuwait Oil Corporation:

- Involved in GC-29 Site Acceptance Test (SAT) for Emergency Generator. Familiar with switch over operations on both MEW supply loss and power restoration.
- Involved in GC-29 Site Acceptance Test (SAT) for E-SCADA. Familiar with the navigation and control aspects of Zenon version 7.0 and familiar with E-Scada logics operation.
- Involved with feeder trouble shootings on 3.3KV and 440V feeders.
- Familiar with numerical relay testing and hands on experience on protection philosophy.
- Involved with 3.3kv VSD troubleshooting and resetting for normalization and familiar with general overview of the circuit.
- Hand on experience with Air circuit breakers i.e., dismantling, mechanical trouble shooting.
- Hands on experience with testing and maintenance of vacuum circuit breakers, Air circuit breakers.
- Familiar with MOV (M/s Biffi) operations i.e., limit setting etc.
- Monitoring of settings and backup protection activation between the upstream and downstream breakers.
- Familiar with Switch Gear (Air insulated up to 800KV) operation

Responsibilities / Job's Handled in Siemens Ltd. :

- Erection and Commissioning up-to 800kv protection and control switch gears.
- Involved in fault assessment and protection parameters analyzation.
- Trouble shooting of electrical faults and wiring defects on 3.3KV Relay control panels.
- Monitoring the Power factor and the corrective action by the PFCC panel.
- Having hands-on experience up to 400KV circuit breaker.
- Understanding the operating aspects of VSD and its sequential operation process.
- Ensuring the reliability of measuring and the protection equipment's during the operation.
- Verifying the relay settings chart as per the equipment rating and verifying the coordination between the individual relay.
- Control wiring verification and interlock checks for the Emergency and Standby Generators.
- Periodic maintenance and verifying the healthiness of the Generators and its control circuit for emergency operation.
- Electrical and Mechanical trouble shootings of 3.3KV vacuum circuit breaker, 440KV Air circuit breakers and 440V modules. The hand's on Experience on Procurement, Maintenance, Troubleshooting & Calibration of breakers, relays and measuring equipment's.
- Maintenance of MCC and PCC panels.
- Maintenance of Lightning system of sodium & Mercury vapour lamps etc.,
- Trouble shooting on power and auxiliary contactors, OLR relay, CT and PT.
- Trouble shooting on isolators up to 400KV.
- Handling Scada for remote operation and for sequential operations of specific motors.

Projects Handled:

Project Name	Site	Role
Distribution extension for the 400KV substation.	Raichur Thermal power plant, Raichur, Karnataka	Responsible for the commissioning, wiring modification for the conversion of single source 110V dc to double source dc system for redundancy, Training for the maintenance personal for the operation and protection functions.
Extension for the 400KV substation.	Power Grid Corporation of India Ltd. Chennai.	Responsible for the commissioning, wiring modification for the protection system, Training for the maintenance personal for the operation and protection functions.
BLAST FURNACE-2	JSW Steel plant, Bellary	Responsible for the configuration, supervision for the testing of 7SR10, 7SR22 and 7SR17 numerical relay and commissioning of 33KV panel. Training for the maintenance personal for the operation and protection functions.
GC-29	Kuwait oil corporation	Responsible for the client side witness and supervision for the site acceptance test.
SMS-2	JSW Steel plant, Bellary	Responsible for the configuration, supervision for the testing of 7SR10, 7SR22 and 7SR17 numerical relay and commissioning of 33KV panel. Training for the maintenance personal for the operation and protection functions.
Solar power project	L&T, Hiriyyur	Responsible for the commissioning, wiring modification for the protection system, Training for the maintenance personal for the operation and protection functions.
400kv substation expansion	KSEB, Madagadra	Responsible for Testing and commissioning 245KV and 400KV circuit breakers.

Trainings:

- Numerical relay configuration (M/s Siemens, Goa)
- SF6 Breakers installation and troubleshooting (M/s Siemens, Hyderabad)
- Isolators installation and troubleshooting (M/s Siemens, Aurangabad)

Personal Profile

Name : MARUTHU PANDIAN.S
Passport no. : P2498599
Father's Name : K.SOUNDARAPANDIAN
Date of Birth : 4 JUNE 1994.
Sex : Male
Nationality : Indian
Marital Status : Unmarried
Languages Known : English & Tamil
Permanent Address : 4/88, 7th cross street, Rathinam Nagar
Theni dt-625531, Tamilnadu, INDIA

I hereby declare that the information is furnished above are true of my
knowledge.

S.MARUTHU PANDIAN