

**K.A.SARATH**

Mobile No: +973 32317442, +91 9566899619

E-mail ID : [sarath1910@gmail.com](mailto:sarath1910@gmail.com)**OBJECTIVE**

A dynamic professional with valuable experience with Seven years in the field of Relay Testing & Commissioning and also Operations & Maintenance of power system on domestic as well as overseas. I look forward for an opportunity to display my skills in the field of Operation & Maintenance and Execution of projects related to power systems.

**CAREER PROFILE**

- 1. Organization** : **VOLTECH ENGINEERS PVT. LTD.**  
**Designation** : Protection Testing and Commissioning Engineer  
**Period** : JUNE-2013 to MARCH-2018
- 2. Organization** : **EXCEL ELECTRICAL INSTALLATION Co.WLL.**  
**Designation** : Testing and Commissioning Engineer  
**Period** : APRIL-2018 to Till now.

**SKILL SET**

Having an experience and knowledge in Electrical projects, Relay testing& Commissioning and Maintenance of Electrical substation and process plant.

**ACADEMICS**

Qualification	Institution	University/Board	Year of passing	%Marks
B.E(ELECTRICAL&ELECTRONICS ENGINEERING)	SRI RAMAKRISHNA INSTITUTE OF TECHNOLOGY	ANNA UNIVERSITY	MAY-2013	80.00

**PERSONAL DETAILS**

Date of Birth : 19<sup>th</sup> October 1991  
Father's Name : Mr. K.ANANDAN  
Nationality : Indian  
Marital status : Married  
Blood Group : A1+ive  
Permanent Address : Mohan Illam,  
Bodi thevaram road,  
Sillamarthupatti(po),  
Theni Dt-625528.  
Languages Known : Tamil, English and Hindi

**Passport Details:**

Passport No : **K9949807**  
Place of Issue : **Madurai**  
Date of Expiry : **March, 2023**

**NATURE OF WORK**

- Testing & Commissioning of all types of Static & Numerical relays.
- Configuration of all types of numerical relays as per schematic
- Testing and commissioning of Line protection, cable differential, Transformer & Motor protection & feeder management overcurrent relays.
- Having knowledge and experience on following commissioning activities
  - Integrating the total substation with SCADA system through GOOSEING with **Siemens, Alstom & ABB** relays.
  - Carried out CT & VT testing, Primary & Secondary injection, Bus bar & Transformer stability test, Interlocks & GIS operations
  - Factory Relay testing has also been done.

**EXECUTED TESTING OF THE FOLLOWING RELAYS :**

<b>SIEMENS MAKE</b>	:	7SA611, 7SA522	-Distance Protection Relay
		7UT61x	-Differential Relay
		7SJ60x, 7SJ80x	-O/C & E/F Relay With BCU
		7UM62x	-Machine Protection Relay
		7SD6x	-Line Differential Relay
		6MD663, 6MD85	-Bay Control Unit
<b>ABB MAKE</b>	:	REM 543	-Machine Protection Relay
		RET 670	-Transformer Protection Relay
		REL 670, REL 650	-Distance Protection Relay
		REF 610, REF 615	-O/C & E/F Relay
		REX -521	-Overcurrent Earth Fault Relay
<b>ALSTOM MAKE (AREVA)</b>	:	P444, P442	-Distance Protection Relay
		P633, P643	-Transformer Protection Relay
		P343, P341	-Generator Protection Relay
		P141 & P143	-Feeder Management Relay
		P120, P122, P127	-O/C & E/F Relay

**THREE PHASE & SINGLE PHASE SECONDARY INJECTION KIT HANDLED:-**

- OMICRON. (CMC-356, CPC-100, CT ANALYSER)
- DOBLE.
- MEGGER.

## SOFTWARES HANDLED:

- ABB - PCM600 1.5, 2.4, 2.6,2.9.
- SIEMENS - DIGSI 4&DIGSI 5
- AREVA - MICOM

## PROJECT EXPERIENCE IN INDIA - (2years)

1. Project : 765/400 kV Switchyard Substation, Ranchi.

Customer : M/s Power Grid Corporation of India Limited.

Client : M/s SIEMENS INDIA LTD.

### Key Responsibilities:

- Testing& Commissioning of SIEMENS make Distance, Transformer Differential , Bay control unit protection relays such as( 7SA611 , 7SA522, 7UT61 , 6MD6X).
- Testing of ABB make Line protection relay (REL670).
- In addition SIEMENS, ABB relays GOOSEING and SCADA integration has also been done.

2. Project : 765/400/220/33 kV Switchyard Substation, Bodh gaya, Bihar.

Customer : M/s Power Grid Corporation of India Limited.

Client : M/s SIEMENS INDIA LTD.

### Key Responsibilities:

- Testing& Commissioning of SIEMENS make Distance , Transformer Differential , Bay control unit protection relays such as( 7SA611 , 7SA522, 7UT61 , 6MD6X).
- Testing of SCHNIEDER make distance relay (P444).
- In addition SCADA integrations of SCHNIEDER with SICAM PAS has also been done.

## PROJECT EXPERIENCE IN QATAR(2.5 years) -EPE APPROVED FOR BCU&BACKUP RELAYS

1. Project : 132/11 kV Al Jahanniya Substation, MOQ, Qatar.

Customer : M/s. KAHRAMAA

Client : M/s Siemens Consortium (AG & WLL).

### Key Responsibilities:

- Testing of backup over current, earth fault relays& BCU such as (7SJ61&6MD66)
- Generated protection and system signals for all relays to SCADA such as cable differential, Transformer differential and Bus Bar relays of SIEMENS & ALSTOM make.

2. Project : 66/11 kV New Doha D Substation, Qatar.

Customer : M/s. KAHRAMAA

Client : M/s Siemens Consortium (AG & WLL).

### Key Responsibilities :

- Testing of Directional over current &earth fault relays such as (7SJ62&7SJ61)
- Generated protection and system signals for all relays to SCADA.

**3. Project : 132/11 kV LOGISTICS Substation,Qatar.**

**Customer : M/s. KAHRAMAA**

**Client : M/s Siemens Consortium (AG & WLL).**

**Key Responsibilities :**

- Testing of Directional over current & earth fault relays such as (7SJ62&7SJ61&6MD85)
- Performed END to END test for 7SD&RED670.

**4. Project : 400/132/11 kV BUL HEMMAID Substation,Qatar.**

**Customer : M/s. KAHRAMAA**

**Client : M/s Siemens Consortium (AG & WLL).**

**Key Responsibilities :**

- Testing of Directional over current & earth fault relays, voltage protection & BCU such as (7SJ62&7SJ61&6MD85)
- Performed END to END test for 7SD&P545.

**PROJECT EXPERIENCE IN BAHRAIN( PRESENT) - 2.5 YEARS**

**5. Project : 400/220/21 kV HIDD Substation 220/132/21kV**

**Customer : M/s. EWA**

**Client : M/s. Siemens LLC .**

**Key Responsibilities:**

- Carried out Primary injection for 400kV, 220kV & 21kV, Interlock checks & commissioning activities.
- Carried out Busbar, Transformer stability tests & Commissioning activities.
- Tested backup relays, ICS Signal checks & Overall commissioning activities.

**6. Project : 220/132&11.5kV ALBA Projects,Bahrain.**

**Customer : M/s.ALBA**

**Client : M/s. Siemens LLC .**

**Key Responsibilities:**

- Carried out 220kV & 11.5kV, Interlock checks & commissioning activities.
- Carried out Busbar, Transformer stability tests & Commissioning activities.
- Tested backup relays, SCADA Signal checks & Overall commissioning activities.

**DECLARATION**

I do hereby declare that the particulars of information stated above are true, correct and complete to the best of my knowledge and belief.

**Yours Sincerely,**

**Place: BAHRAIN**

**(K.A.SARATH)**