**Parth Bharat Patel**

**Mobile. No:** 09619209633, 09029548430

**E-mail ID:** [**patel.parth062@gmail.com**](mailto:chintamani.sarvankar@gmail.com)

**Professional summary:**

1. **Four** years of experience in **Protection** Team of **400KV/220KV/132KV Torrent Power LTD, Ahmedabad.**
2. **Five** years of experience in **Testing and Protection** and **SCADA Engineering** Team of 220kV Mumbai transmission network of **Reliance Infrastructure LTD** now **Adani** **Electricity**.

**Proficiency in**

* 400kV Gas Insulated Switch / Air Insulated Switch Scheme
* 220KV Gas Insulated Switch / Air Insulated Switch Scheme
* 132KV Gas Insulated Switch / Air Insulated Switch Scheme
* 33kV Gas Insulated Switch / Air Insulated Switch Scheme
* IEC 61850 based SCADA
* IEC 104 based SCADA
* SDH based teleprotection and communication system
* Numerical Relays: SIEMENS 7UT613, 7SJ61, 7SJ62,7SJ64, 7SD52, 7SS52

AREVA MICOM P442, P632, P130C, P122, P127, P544, P545

Schneider S80, T87 ABB- REL561, RED670.

1. **Two** years of experience in Facility Management services. (Absotherm and Shetty infra services.

**Proficiency in**

* Maintenance and Testing of Electrical System.

1. **One** Year of experience in control Panel Manufacturing Company. Urmi Technologies. (Vasai)

**Proficiency in**

* Wiring Scheme.
* Sales and Purchase.
* Many other activities.(Technical as well non-technical)

**Strengths:**

Excellent problem-solving and quantitative background combined with business acumen. Good communication and interpersonal skills, self-motivated with ability to adapt quickly in a team environment.

**Trainings Undertaken:**

* 1 year training in Air India. (Apprentice- NCVT)

**Professional Experience:**

1. **Torrent Power Ltd, Ahmedabad**

Designation: Executive Engineer.

Duration: Febuary-2019 to till date.

1. **Reliance Infrastructure Ltd, Mumbai (i.e Adani Electricity Mumbai)**.

Designation: Sub Engineer.

Duration: October-2013 to January-2019.

1. **Absotherm and Shetty Infra Services, Mumbai**

Designation: Supervisor

Duration: October-2011 to Aug-2013

1. **Urmi Technologies, Vasai, Mumbai**

Designation: Sub Engineer

Duration: June-2010 to July-2011.

**Implemented Project:**

1. **Commissioning of 4 Nos. of 220KV and 132KV Substation (Odhav, Thaltej, Vinzol and Lamba SS)**

Mentioned 220kV EHV Substation was established in a 3 Floor building having 220kV ABB/Siemens make and 132kV ABB/Siemens make Indoor GIS Switchgears. Substation configuration of 2 Main Bus, 4 nos. of 220kV lines bays & 3 nos. of 150MVA, 220/132kV outdoor transformers.

**Roles and Responsibilities:**

* 220kV & 132kV operation and Scheme checking (Interlocks).
* 220kV & 132kV relay configuration and testing.
* 150 MVA & 75 MVA Transformer detail testing including differential Stability tests.
* 220kV alarm, event and operation checking with IEC 61850 based SCADA
* 220kV alarm, event and operation checking with IEC 104 based SCADA.
* Interstation communication testing through SDH system.
* Commissioning activities – Remote end existing station scheme modification

1. **Commissioning of 10 Nos. of 33KV Substation (Ramol, Sahawadi, Sarkhej, Shahpur, Mithakhali, Kidney Hosp, Times Square, Navratna, Sarvesh and High Court.**

**Roles and Responsibilities:**

* 33kV operation and Scheme checking (Interlocks).
* 33kV relay configuration and testing.
* 20 MVA Transformer detail testing including differential Stability tests.
* 33kV and 11KV alarm, event and operation checking with IEC 61850 based SCADA
* 33kV and 11KV alarm, event and operation checking with IEC 104 based SCADA.
* Interstation communication testing through SDH system.
* Commissioning activities – Remote end existing station scheme modification

1. **Commissioning of 5 Nos. of 220kV EHV Substation (REL Borivali, Goregaon, Saki, Gorai and Chembur)**

Mentioned 220kV EHV Substation was established in a 5 Floor building having 220kV ABB/NHVS make and 33kV ABB/Siemens/Areva make Indoor GIS Switchgears. Substation configuration of 2 Main Bus, 4 nos. of 220kV lines bays & 3 nos. of 125MVA, 220/33kV outdoor transformers.

**Roles and Responsibilities:**

* 220kV & 33kV operation and Scheme checking (Interlocks).
* 220kV & 33kV relay configuration and testing.
* 125 MVA & 20 MVA Transformer detail testing including differential Stability tests.
* 220kV alarm, event and operation checking with IEC 61850 based SCADA
* 220kV alarm, event and operation checking with IEC 104 based SCADA.
* Interstation communication testing through SDH system.
* Commissioning activities – Remote end existing station scheme modification
* Preparing cable laying & termination schedule.

1. **Transformer(220/33KV) Refurbishment at Ghodbunder, Aarey and Versova Substation**

In the view of the Ageing of the transformer. 7 nos. of transformers were Refurbished at above receiving stations

**Roles and Responsibilities:**

* Winding Resistance test
* Transformer Turn Ratio test
* SFRA (Sweep Frequency Response Analysis Test.)
* Magnetic Balance test
* Stability test
* Tan-Delta test

1. **System Improvement Scheme (Replacement of Equipment’s)**

**Roles and Responsibilities:**

* Current Transformer testing
* Knee Point test
* Ratio test
* Polarity test
* Megger test
* Potential Transformer testing
* Ratio test
* Megger test
* LA (Lightning Arrestor) testing
* Leakage Current Monitoring (LCM) test

1. **SDH Tele protection commissioning at M/s Viraj Industries for LILO of 220kV Dahanu – Boisar Line**

* Panel Installation
* End to end optical fiber testing
* Tele Protection Signal checking (End to end).
* End to end Line differential testing
* Line Distance protection testing (Permissive command Transfer)

1. **SCADA Server up gradation of Aarey, Versova and Ghodbunder Substation**

* 220kV Event and Alarm testing
* 220KV Operation Checking from local and remote control center
* 33KV Event and Alarm testing
* 33KV Operation Checking from local and remote control center

1. **Implementation of 33kV Feeder Auto Restoration Scheme at Saki**

* Pre commissioning and commissioning, testing of 33KV Feeder Automatic Restoration Scheme of 125MVA Transformer.

1. **Installation of TWFL (Travelling wave fault locator)**

* Installation and Commissioning of TWFL panel at Boisar, Dahanu, Versova and Ghodbunder Substations.

**Prizes / Awards:**

* + **Par Excellent award** in CCQC 2015, for presenting QC activity.(Mumbai Chapter)

**Educational Qualification:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Examination** | **Branch** | **School/**  **College** | **Board/**  **University** | **Year of passing** | **Percentage** |
| **BE (last year)** | **Electrical Engineering** | **Theem college of Engineering** | **Mumbai University.** | **May-2018** | **6.58 (Pointer)** |
| **Diploma**  **Final year** | **Electrical Engineering** | **MH Saboo Siddik Polytechnic** | **Maharashtra state board of technical education.** | **May- 2013** | **61.92** |
| **NCVT** | **Electrical** | **Air India** | **Maharashtra** | **October-2009** | **66.14** |
| **ITI** | **Electrical** | **Fr. Agnel Industrial Training Institute** | **Maharashtra** | **July-2008** | **71.85** |
| **SSC** | **-** | **Saraswati Vidhyalaya** | **Maharashtra** | **June-2006** | **47.20** |

**Curricular Activity**

* + Paper presentation on Interlocking Module of EHV Substation forum “IEEE”.

**Engineering Projects:**

* + A Project on **Interlocking Module of 220KV EHV Substation**. (B.E Electrical). (Submitted at R-infra Mumbai Transmission Testing & Protection Department)
  + A Project on **Electromagnetic Space Shuttle Launching System**. (Diploma Engg)

**Personal Information:**

Address:  A/2, Bhavna Tenament, Near Nutan Nagrik, Behind Isanpur Bus Stand, Isanpur, Ahmedabad, 382443

Date of Birth: October 28, 1989.

Gender: Male

Marital Status: Single

Nationality: Indian

Passport: Yes

Languages: English, Hindi, Gujrati, Marathi

Blood Group: B+

**Parth B. Patel**