

VELMURUGAN.T  
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### **Career objective:**

Want to be part of a well-reputed organization pertaining to state-of-the-art technologies, where my mettle can be extracted for efficacious implementation of the project.

### **Career Summary:**

- Possess more than **3year** of work experience over India in Steel, Power Plant, Substations, Process Plants, oil and gas.
- Having good exposure in Testing, Commissioning, Operation & Maintenance and Trouble Shooting of Electrical Equipment's from 415 Volts to 400KV System.
- Perform as key person the Pre-Commissioning, Commissioning, Start Up and Handover of the Facilities to Client on Time, on Budget with Safety as first objective.

### **Educational Qualification:**

**B.Tech in Electrical and Electronics Engineering** at Kalasalingam University & Technology, Krishnankoil, tamilnadu, India on April 2012.

### **Professional Experience:**

**Technosys Engineers & Consultants (Chennai) Pvt. Ltd.**  
<http://www.technosysec.com/>

Technosys Engineers and Consultants (Chennai) Pvt. Ltd. is an Engineering organization extending Engineering services in the field of Power and Energy, Power System studies, Erection, Supervision, O&M, Testing and Commissioning of Electrics etc. Key qualifications in the field of Testing and Commissioning of various Electrical Projects including EHV substations up to 400 KV.

**Position: Electrical Testing and Commissioning, O&M Engineer**  
**Period: June 2012 - Aug 2015**

**Shapoorji Pallonji Solar holdings Pvt Ltd.** <http://www.shapoorji.in/>

**Position: Electrical Engineer (T&C, O&M, Project)**  
**Period: Oct 2015 - till Date**

### **NATURE OF WORK:**

- Testing and Commissioning of Electrical Equipment's from 415 volts to 400KV System.
- Testing of CT, PT, and CVT, Circuit breaker (SF6, A.C.B & V.CB), Lighting arrester, Isolator, Earth switch, HT/LT switchgear and Power Transformer with scheme checks.
- **Testing of High Voltage** in Cables, Bus bars, Breakers.
- **Tan Delta test** for Current transformer, Potential Transformer, CVT, Power Transformer, CT bushing, Lighting arrester.
- DCRM test for **400Kv SF6 circuit breakers**. **Dew Point Measurement for SF6**
- Knowledge of power transformer **stability and sensitivity tests for differential and REF protections**.
- Functional & Scheme checks for 33KV, 11KV, 6.6KV & 415V Indoor Switchboards with Interlocks and changeover.
- PLC, SCADA I/O checking ,preparation of check lists ,commissioning of processes instruments like solenoid valves , sensors, transducers.
- Testing and commissioning of HT/LT motors conveyor, over current, Earth fault, under voltage, over voltage, AUX Relay, Feeder protection. Knowledge of conveyor protection Zero speed switch, belt Sway, Pull Cord.
- Testing of Electromagnetic Relays (Master Trip, VCB Contact Multiplication, Trip Circuit Supervision, and Master Trip Supervision).
- Testing and Commissioning of PMCC, PCC, MCC, ACDB, MLDB, and ELDB.
- **Operation and Maintenances of 400/220/33/6.6/.415kV Substations** – Onsite supervision of all major electrical equipment such as **Transformers, Motors, Drives, Pumps, Fans, HV & LV switchgear, control panels, Lighting circuit Conveyor, Cables, Battery bank & Battery charger, DCS data** checking associated wiring of electrical equipment's.
- Inspection of control and relay panel, preparation of Test Report and cable schedule for sub-station, power plant, and process plant.
- Co-ordination with client in As Built Scheme drawing submission, test report submission, cable schedule submission and all site activity to satisfy the customer.

#### **WORK SUMMARY:**

- ✓ Worked as a Testing and Commissioning engineer for *HV and LV Switch Gear (6.6/0.415Kv), HV/Motors, Power transformers, Conveyors, Cables, PMCC, PCC, MCC* in **Stock House Bhushan Steel Ltd/165MW Thermal Power Plant Bhushan Steel Ltd.Odisha for Larsen and Toubro Ltd.**
- ✓ Worked as a Testing and Commissioning engineer for *HV and LV Switch Gear (11/6.6/0.415Kv), HV Pump motors, Instrument devices (sensor, solenoid valve, and pressure transmitter), loop checking from instrument to DCS* in **JCAPCPL TATA Steel Jamshedpur for Larsen and Toubro Ltd.**
- ✓ Worked as a Testing and Commissioning engineer for *HV and LV Switch Gear, over current, Earth fault, Under voltage, Over voltage,AUX Relay* in **3x660MW Koradi Expansion Power Plant, Nagpur. For L&T MHI Boiler Ltd.**
- ✓ Worked as a Testing and Commissioning engineer for *400/220Kv substation DCRM test for SF6 circuit breaker, Dew point measurement for SF6* in **Power Grid Corporation of India Ltd Durgapur (Parulia) Kolkata for Alstom T&D India Ltd.**
- ✓ Worked as a Testing and Commissioning engineer for *220 Kv substations, CT, PT, CVT, Circuit breaker (SF6), lighting arrester, Isolator, Earth switch, Generating Transformer* In **3x95MW IND-BARATH Power Infra Ltd Thoothukudi.**
- ✓ Worked as a O&M engineer for *HV and LV Switch Gears(33/11/6.6/0.415Kv), PMCC,PCC,MCC,ACDB,MLDB,ELDB,Power transformers,Motors,Drives,Pumps, Fans,DG Set,DCS Monitoring, Battery charger&Battery bank* in **ONGC Mangalore petrochemicals Ltd for Larsen and Toubro Ltd.**
- ✓ Worked as a Testing, operation & maintenance engineer for *400/220/130Kv switch yard- supervision of all major electrical equipment such as 315MVA Transformers,SF6 circuit breaker, CT,PT,CVT,lighting arrester, Isolator, Earth switch, Inspection of control and relay panel ,DCS monitoring, manpower management* under **Techno Electric at Dipalpur, Sonapat, Haryana.**

**TESTING KIT HANDLED:**

- SCOPE: DCRM, CRM, TRM.
- SCOPE: TIME INTERVAL
- TAN DELTA: ELTEL, MEGGER.
- SUDARSAN: SECONDARY INJECTION
- HIPOT: 60KVDC TECHNOLOGY PRODUCTS.

**Training programme:**

- Electrical Safety
- Basic Fire Fighting
- Electrical Isolation, Tagging \* Flagging
- Permit to Work
- Hazards Communication – Noise & Radiation

**Personal Details:**

Name : VELMURUGAN.T  
Father name : TAMILSELVAN.M  
Permanent Address : 3-188 MAIN ROAD, POOLANGULAM (POST)-627415,  
TIRUNELVELI (DIST), TAMILNADU, INDIA.

Nationality : Indian  
Date of Birth : 21.05.1991  
Sex/Marital Status : Male/single  
Passport No : L8070131  
Place of Issue : Madurai  
Languages Known : Tamil, English and Hindi.  
Religion : Hindu

**Declaration:**

I do hereby declare that the above information furnished by me is true to the best of my knowledge and belief.

Place:

Date:

**VELMURUGAN.T**