# P.NAVANEETHAKRISHNAN

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**O B J E C T I V E**

Looking for a challenging position in the field of Testing & Commissioning. where I can utilize my knowledge and skills with passion and hard work for organization goal and own career development.

**P R O F I L E S N A P S H O T**

* A focused professional having nearly 5 years of experience in Electrical Testing & Commissioning, Maintenance And Instrumentation in Power Plant and Sub-station sector
* Hands-on experience of **Electrical Testing and Commissioning** of HT panels, LT panels, breakers, ACB and VCB, complete Plant Earthing, MOV setting, Transmitters erection, Thermocouple and RTD fixing in Power Plant Electrical Sector
* Sound knowledge of **Personal Safety Protective Equipment (PPE) Rules** such as Safety Helmets, Safety Shoes, Hand Gloves, Safety Goggles Ear Muffs / Plugs, Life Jackets / Work Vests, Safety Belts / Harness, Self Contained Breathing Apparatus (SCBA)
* Instrumental in ensuring that all electrical equipment’s are in safe working order in line with current regulations/ standards. Expertise in handling maintenance, servicing, fault finding and troubleshooting
* Acquainted with industrial automation like PLC, DRIVE, DCS, SCADA & power plant Instrumentation
* An effective communicator with excellent skills in building relationships

**C O R E C O M P E T E N C I E S**

* Preparing commissioning schedules in coordination with equipment suppliers, erection, testing and commissioning team to match with the project completion plan
* Planning and implementing proactive / predictive / preventive / shutdown maintenance schedules for machinery so as to increase machine up-time / equipment reliability
* Identifying areas of obstruction/breakdowns and taking steps to rectify the equipment through application of trouble shooting techniques
* Complying with safety requirements by following procedures and reporting/documenting safety incidences & near misses
* Executing energy saving & other cost saving measures with suitable modifications in process

**O R G A N I Z A T I O N A L E X P E R I E N C E**

# Responsibilities:

* Erection, Commissioning, operation & maintenance of:
  + HT and LT switch gears ranging from 440V ACB, 6.6, 11, 33Kv VCB’s and 110Kv Sf6 Breakers switch yard.
  + Power and distribution transformers of 11KV/440V auxiliary transformer & main Transforms up to 75MVA.
  + Turbine Generator and Excitation System.
  + Incoming, Feeder and HT capacitor panels.
  + Cable Tray, Voltmeter and Ammeter.
  + Batteries, Battery chargers and UPS.
  + Trouble-shooting in PLC, SCADA and DCS.
  + AUX relay installing in panels.
* Handling a team of 10 team members and managing activities related to all electrical erections and project management.
* Performing activity of cable termination LT and HT.
* Maintaining synchronization of TG with E.B.
* Reading electrical drawings, interconnection charts.
* Ensuring commissioning and servicing of all types of starter modules such as direct online starter (DOLS), star delta starter, variable frequency drive(VFD).
* Testing & Commissioning of 6.6/11/33KV VCB Panel (INDOOR,OUTDOOR).
* Testing of Breakers (GE, ABB, Schneider, Siemens) and also servicing of VCB,ACB, SF6, Breakers.
* Testing and commissioning of Relays (Numerical & Electromagnetic relays).
* Testing of Isolator (11KV ON/OFF LOAD) panel.
* Testing and commissioning of 15 HP Motors.
* Testing of Cable (LT&HT).
* Testing and Commissioning of Power transformers.
* Testing of Current transformers and Potential transformers.
* Selection of Bus bars for suitable amps ratings, and selection of Cables.
* Selection of Current Transformers and Potential transformers and well knew about Minimum and Maximum Voltage of Phase to phase, and Phase to Earth Clearances.
* Knowledge of Alstom RTU, BCU, DS Agile and S1 Agile software.
* Knowledge of Alstom IO Client, IO Server and SQL System operations.
* Knowledge of ABT Meters and Supporting Software M cubed 100.
* Generate reports entire Station Generation and utility in PDF or XLSX formats according to the client specifications.
* Testing of device connectivity in entire station all Numerical relays, Gateways, Servers, DR- PC with main server.

**T E S T I N G B E F O R E P R E - C O M M I S S I O N I N G**

# HT/LT BREAKERS,CONDUCTORS, RELAYS, CT,PT,LBS.

* Physical Inspection Test.
* WR & Insulation Resistance Test.
* High Voltage Test.
* Contact Resistance Test.
* Primary Injection Test.
* Secondary Injection Test for Relays.
* Operating Time Test.
* Mechanical/ Electrical Functional Test.
* Protection Control Test.
* Galvanometer Test.
* Ratio Test.
* Phase Sequence Test.

# EARTHING, HT/LT CABLES, ISOLATORS,INSULATORS,SURGE ARRESTER:

* Earth Resistance Test.
* Hi-Pot Test.
* Insulation Resistance Test.
* Phase Identification Test.

# TRANSFORMERS, MOTORS, GENERATORS,OLTC.

* Physical Inspection Test of Earth flats, Cables.
* Insulation Resistance Test.
* Winding Resistance Test.
* Magnetic Balance Test.
* Vector Group Test.
* Voltage Ratio Test.
* Magnetic Current Test.
* Transformer Stability test.
* Short Circuit Test.
* No-Load Test.
* Locked Rotor Test.
* Low/High Speed Test.
* Temperature Rise Test.
* Speed/Torque Test.
* Tan delta for Bussing’s

# ELECTRO-MECHANICAL/ SOLID STATE RELAYS:

* **OC/EF** RELAYS(**ABB**-REJ,REM,REF)(**SCHNEIDER,ALSTOM,AREVA- Micom Series)(C & S)**

# UV/OV RELAYS(PROK DV’s, ABB, SCHNEIDER,ALSTOM,L&T)

* **Master Trip/Transformer** RELAY(**ABB, ALSTOM,C&S)**

**NUMERICAL RELAYS:**

* **ABB ( REF** 615 RED 615)
* **SCHNEIDER ( Micom-** P220, P127, P143, P122)
* **ALSTOM ( Micom-** P442,P642, P141**) KNOWLEDGE ABOUT MAJOR TESTING KITS:**

# KYORIZSU & MEGGER - Digital Insulation Tester

* **FLUKE - Digital Multimeter**
* **SCOPE - Contact Resistance Meter with cables**
* **SCOPE - Time interval kit**
* **OMICRON - CMC 256**

**T E C H I N C A L S K I L L S**

* **Good understanding of Electrical Drawings, Planning of Projects, Erection &testing Maintenance.**
* **Knowledge of Different Electrical and Instruments.**
* **Knowledge of PLC, SCADA and RTU system.**

**A C A D E M I C Q U A L I F I C A T I O N**

**2010** Diploma in Electrical and Electronics from E.I.T Polytechnic College, Erode, (TN) with 73%

**2013** Bachelor of Electrical and Electronics from Jay Shriram Group of Institutions, Tirupur, (TN) with 6.6/10 CGPA

**IT S K I L L S**

Knowledge of:

* MS Office Packages
* PLC, SCADA and Auto cad 2010
* Good understanding of Internet tools.

**W O R K E X P E R I E N C E**

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| **SL.**  **No** | **Company** | **Capacity** | **Designation** |
| 1 | Alfa Engineering and Service, Coimbatore, India. (JUN 2013 – DEC 2014) | Substations  ( 110kv,33kv,11kv - Substation ) | Electrical Engineer - Substation Automation |

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| --- | --- | --- | --- |
| 2 | **Hyundai Heavy Industries, Kuwait. (FEB 2015 – JUN 2015)** | Gas Power Plant  (4X15.75 KV) (GTG) | Electrical Engineer - Testing and Commissioning |
| 3 | Technosys Engineers and Consultants,  Chennai  (AUG 2015 – FEB 2018) | Tata Steel Ltd,Jarkhand,India.Substations  (11kv/6.6 Kv - Substation ) | Sr.Electrical Engineer – Testing and Commissioning |
| Alstom Transport LTD, Kerala ,India. Substations & GIS  (33/11/6.6 KV SS, 110/33KV GIS ) | Sr.Electrical Engineer – Testing and Commissioning |
| GE T & D India LTD, 33/110 KV Switch Yard | Sr.Electrical Engineer – Testing and Commissioning |
| 4 | T & C Engineer PVT LTD, Chennai. ( FEB 2018 - Till Date ) | NLC PSS 33/110KV  Switch yard | Site Engineer – Operation and Maintenance |

**P E R S O N A L D E T A I L S**

Date of Birth 1th Jun, 1990

Address No.2,Ramerextension,

Gobichettipalayam-TK, Erode-DT, Tamil Nadu, India

Languages known English, Tamil.

Nationality Indian

Marital Status Single

Passport Details J 9472895 (Expiry date : 05.12.2022).

DECLARATION:

I hereby declare that the above-furnished details are true to the best of my knowledge and if I get a chance to work for your organization, I will deliver my performance to the satisfaction of self and to the Organization.

(NAVANEETHAKRISHNAN P)