



OBJECTIVE

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.

PROFILE SNAPSHOT

- 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

CORE COMPETENCIES

- 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

ORGANIZATIONAL EXPERIENCE

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.

TESTING BEFORE PRE-COMMISSIONING

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:

- KYORISU & MEGGER - Digital Insulation Tester
- FLUKE - Digital Multimeter
- SCOPE - Contact Resistance Meter with cables
- SCOPE - Time interval kit
- OMICRON - CMC 256

TECHNICAL SKILLS

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

ACADEMIC QUALIFICATION

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 SKILLS

Knowledge of:

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

WORK EXPERIENCE

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

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

PERSONAL DETAILS

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)

