

CURRICULUM VITAE

Electrical Testing & Commissioning / Maintenance Engineer

RAMAN R

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PROFILE SNAPSHOT

I am Electrical engineer and having 9 year hand on work experience in the field of testing & site commissioning, maintenance in MV, LV protection and power distribution systems.

PROFILE SUMMARY

Have wide knowledge on Electrical Testing & Commissioning/Maintenance of electrical systems involving Power and distribution transformers, MV switchgears, LV switch gears, Protection relays, Sub main distribution boards, Final distribution boards etc., in Airports, Power plant industry & Construction field as detailed below.

- Construction of MEP projects involving installation of MV & LV switch gears, Oil & Dry type transformers, Diesel engine generators, Distribution boards, Cable management system, quality inspections for client approval.
- Co-ordinating with design team for selection of breakers frame rating and cable sizes prior to assigned loads.
- Pre-commissioning and commissioning of MV & LV Switch gears, Dry type transformers, SMDB, FDB, Automatic transfer switch(ATS), Uninterrupted power supply(UPS), Diesel generators & SCADA system etc.
- Testing and commissioning of protection relays such as Over current (O/C), Earth fault (E/F), Restricted earth fault (REF), Standby earth fault protection (SBEF).
- Trouble shooting of all electrical equipment, power, control, battery charger and protection relay.
- LV Switchgears trip stimulation such as Instantaneous, Short time and long-time trip as per latest short circuit study by using micro logic trip unit.
- Have handled Siemens & Schneider LV SCADA system and interface systems tests.
- Loop checking of control system of LV switchgear, motors and VFDs with PLC based and SCADA systems.
- Metering instruments of ammeter and voltmeter calibrated by secondary injection test kit.
- Testing of bus bars such as continuity test, Contact resistance test and torque test.
- Testing of MV cables by using AC High voltage test kit(Very low frequency method)

- ATP - Test reports verification / commenting of sub-contractor's submission before client submission.
- Visual inspection and Maintenance of electrical equipment's such as oil type transformers, LV Switchgears, Sub-Main distribution boards, Final distribution boards etc.
- Maintenance & checking of switchgear operating mechanisms and its control functions. □ Routine maintenance of diesel generator and ups battery charger.
- Preparing inspection Schedule with consultant for system approval. Coordinating with client, consultant, contractor, subcontractor and supplier.
- Familiar with LOTO Procedure (Lockout & Tag out verification system).
- Familiar with hazardous area classification, hazardous symbols, explosion & flame proof equipment and most common safety practices and rules

JOB SUMMARY

1) Organisation : Commissioning services international L.L.C

Designation : Electrical commissioning engineer

Client : Advanced Military Maintenance Repair and Overhauling Centre (AMMROC)

Duration : August 2019 – Till date

- Submission of project close-out documents which will consist of Installation, Testing & commissioning, Test reports, Red mark-up load schedules & Supportive documents etc.,
 - Tracking and rectification of previous submission comments for consultant approval.
- Primary Switching station (PSS1) of equipment's involving such as 33/11 Kv oil type transformers, 33Kv switchgears, 11kv Switchgears, 11/0.415 Kv Auxiliary transformers 110V DC Battery chargers, UPS and Final distribution boards.
- Secondary electrical substations of equipment's involving such as 11kv Switchgears, 11/0.4 Kv dry type transformers, 48V DC Battery chargers, LV Switchgears, Capacitor banks, UPS, Control panels, SMDB and Final distribution boards.
- Load schedules verifications and updating as per site installation.
- Verification of design drawings, Specifications and preparing the RFIs for client review.
- Preparation of shutdown schedule for components testing and submission for client review.
 - Testing of neutral current transformers(NCT) in 11/0.4KV dry type transformers such as CT ratio test, Polarity test, winding resistance test & Magnetizing curve(Knee point) test by using CT Analyser test kit.
- Testing of Standby earth fault relays (SBEF) & 11Kv breaker trip stimulation by primary injection method.

- Winding temperature indicators (WTI) alarm and 11Kv breaker trip stimulation by decade resistance test kit.
- Verification of all test reports for consultant approval.
- Co-ordinating with operation team for transformers shutdown and re-energisation.

2) Organisation: Commissioning services international L.L.C

Designation : Electrical commissioning engineer

Client : Midfield Terminal Project (MTB), Abu Dhabi Airport.

Duration : August 2018 – July 2019

- Construction of MEP project involving installation of MV & LV switch gears, Distribution boards, Cable management system, Glanding/termination & Organising quality inspections for client approval.
- Pre-commissioning and commissioning of LV distribution boards, 22/0.415 KV Dry type transformers, Automatic transfer switch, Generators, LV SCADA system etc.
- Testing of MV cables using Hi-Pot kit of VLF (Very Low Frequency) unit.
- LV/control cable dead test such as IR, continuity test, polarity test & live test such as short circuit impedance, short circuit current & Trip time, measurements.
- LV SCADA functional/alarms check for LV substations along with Siemens & Schneider manufacturer representative at MTB.
- Functional checks of all airport systems, i.e., LV SCADA, BMS, and LCS etc., while power interruptions and complete shutdown.
- Daily monitoring and maintenance of SCR system.
- Well experienced in preparing and reviewing of QA/QC documents & Submitting documents for client's approval.
- Proficient in tracking & updating documents in MS Word, MS Office, AutoCAD, etc.
- Familiar with LOTO Procedure (Lock out Tag Out verification system).

3) Organisation: SAS Power Industries FZE, RAK.

Designation : Electrical Testing & commissioning Engineer

Client : Umm Al Quwain Industrial Substation in Dubai, FEWA
: Silicon Park Substation in Dubai, DEWA
: Furjan Substation in Dubai, DEWA

- Construction of MEP project involving installation of MV & LV switch gears, Distribution boards, Cable management system, Glanding/termination & Organising quality inspections for client approval.
- Erection, Testing & Commissioning all types of switch gear such as MV and LV Panels, MCC Panels, Circuit Breaker, ATS, Isolator, Generator Syn Panels, Capacitor banks, Motor (VFD).
- All types of scheme checking such as transformer protection, motor protection, differential schemes, stability schemes, capacitor bank stage controls and interlocks and other control circuit schemes with various systems.
- Testing of LV cables using Hi-Pot kit of VLF (Very Low Frequency) unit.
- LV/control cable dead test such as IR, continuity test, polarity test & live test such as short circuit impedance, short circuit current & Trip time, measurements.
- LV Switchgears trip stimulation such as Instantaneous, Short time and long-time trip as per latest short circuit study by using micro logic trip unit.
- Testing coordinating with fire alarm and BMS system.
- Have handled Siemens & Schneider LV SCADA system and interface systems tests.
- Loop checking of control system of LV switchgear, motors and VFDs with PLC based and BMS systems.
- Metering instruments of ammeter and voltmeter calibrated by secondary injection test kit.
- Trouble shooting of all Electrical equipment's, Power, Control & Protection Circuits.
- Scheme modifications as per the site Requirement.
- As Built Scheme drawing Submission.
- Preparing inspection Schedule with consultant for system approval. Coordinating with client, consultant, contractor, subcontractor and supplier.

4) Organisation: Elins Switchboard pvt, Ltd, Bangalore.

Designation : Electrical Testing & commissioning Engineer.

Client : HP Bagmane Tech Park, Bangalore.

: Meenakshi Techno Park, Hyderabad.

: HCL Technologies Ltd, Bangalore

: Bosch, Bidadi, Bangalore.

- Inspection & execution of Pre-Commissioning & Commissioning and Documentation activities of all Electrical equipment's , i.e., Switchgears, Motors, and Generators, UPS, Battery chargers..

- Erection, Testing & Commissioning all types of switch gear such as MV and LV Panels, MCC Panels, Circuit Breaker, ATS, Isolator, Generator Syn Panels, Capacitor banks, Motor (VFD).
- Testing of LV cables using Hi-Pot kit.
- Testing of LVAC panels, i.e. scheme check and functional test, BI/O check and modification of client requirement.
- LV/control cable dead test such as IR, continuity test, polarity test & live test such as short circuit impedance, short circuit current & Trip time, measurements.
- LV Switchgears trip stimulation such as Instantaneous, Short time and long-time trip as per latest short circuit study by using micro logic trip unit.
- Loop checking of control system of LV switchgear, motors and VFDs with PLC based and BMS systems.
- Metering instruments of ammeter and voltmeter calibrated by secondary injection test kit.
- Trouble shooting of all Electrical equipment's, Power, Control & Protection Circuits.
- Scheme modifications as per the site Requirement.
- As Built Scheme drawing Submission.
- Preparing inspection Schedule with consultant for system approval. Coordinating with client, consultant, contractor, subcontractor and supplier.

SKILLS & ABILITIES

- An effective communicator with excellent interpersonal & relationship building skills.
- Can handle multiple tasks at a time.
- Accuracy - Attention to minute details.
- Keen Learner with Constant zest to acquire new skills.
- Ability to work in a team Environment.

FAMILIARITY OF TESTING

- AE make AC High voltage test kit (0-100kV).
- MIT510 Insulation Resistance Tester.
- Primary Injection tester various types.
- Secondary Injection tester FRJEA 300, Omicron CMC 256
- ABB Breaker setting and trip tester Ekip Connect 2.0
- Earth Resistance Tester
- Contact Resistance kit
- CT Analyser

ACADEMIC QUALIFICATION

- **S.S.L.C**
Year of completion: March 2003, 65%
- **H.S.C**
Year of completion: April 2005, 58%
- **Bachelor of Electrical and Electronics Engineering**
Year of completion: April 2010, 72%
- **Diploma In Electrical & Electronics Engineering**
Year of completion: April 2007, 82%

PERSONAL INFORMATION

Date of Birth : 21 May 1988

Marital Status : Single

Father's Name : T.Rajamanikkam

Languages Known : Tamil, English, Telugu, Kanada, Malayalam and Hindi

Passport No. : L7002987

Date of Expire :23/01/2024

DECLARATION

I am RAMAN RAJAMANICKAM, hereby declare that the information furnished above is true and correct to the best of my knowledge. I will do my best and prove myself with my smart work and sincere efforts if a chance is offered to work in your esteemed organization.

Yours faithfully,



(RAMAN.R)

DATE:

PLACE: