



**Abhijith.KK**

## Electrical Engineer

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📍 Dubai, UAE

DOB: 24-05-1985

Driving License: Dubai, Oman & India

### PROFILE

Electrical Engineer with 15+ years of experience in T&C of electrical equipment /systems, installation works as well as design coordination works. Presently working in M/s Applus Velosi as Site Inspector (Electrical, TPI) for Dubai Electricity & water Authority (DEWA). Secured proficient knowledge in 400 & 132/11 KV S/S works constituting Electrical T&C, pre-commissioning activities & MEP (LSP &HVAC) installation works.

### Employment History

2017' Feb – Present

**Applus<sup>+</sup>  
VELOSI**



#### Applus Velosi (TPI@ Dubai Electricity & Water Authority) Site Inspector (Electrical), Dubai

- ☐ Conducting daily inspections related to various electrical equipment/systems Material, installation & testing w.r.t RFI receiving from consultants and contractors & assuring compliance with contract specifications & RFC drawings.
- ☐ Controlling and monitoring day to day site works with consultants & contractors.
- ☐ Secured adequate knowledge in controlling and monitoring various electrical Verify the drawing of newly constructing substations and coordinating design & site supervision team for any changes/modifications and verifying field modification requests (FMR).
- ☐ Supervising and reporting progress of Substation commissioning activities and managing/negotiating client requirements with contractors & consultants.
- ☐ Reviewing and approving method statements, shop drawings and ITPs (Inspection test plans).
- ☐ Conducting material inspections at site to assure compliance with contract specifications & test certificates, design approvals, country of origin & FAT compliance.
- ☐ Identifying nonconforming work/materials & notify contractors, consultants & client by site notes, memo & NCR. Follow up for corrective measures taken by contractors & consultants.
- ☐ Monitoring and reporting site issues, work quality, HSE policies & potential Hazards and endorsing site quality and safety audits.
- ☐ Arranging site technical coordination meeting, progress meetings, Outage meetings to discuss contractor's submissions, shop drawings, material submittals, construction related non conformances/deviations & delays.
- ☐ Carryout final inspections, submission of hand over documents, Operation & maintenance(O&M) manuals, Test reports & conducting snag inspections.
- ☐ Verifying accuracy of As-Built drawings and red markups reflecting in details the As-Built conditions.
- ☐ Closely monitoring planning schedule & site works and extends maximum possible effort to avoid contractor's claim for cost or delay.

2013 June - 2017 February



- Review construction documents, highlight any design & contractual discrepancies with RE.
- Coordinating project handover process with client subject to work completion according to project specification.

### **Sr Electrical Engineer**

#### **Hyundai Engineering & Constructions Ltd.(HDEC), Abu Dhabi**

- Managing day to day Electrical Testing & Commissioning activities (Coordinating pre commissioning activities) in various EPC projects.
- Secured knowledge in switchgear site acceptance testing [SAT], witnessing and client signoff.
- Familiar with Secondary/Primary injection tests by using test kits like CPC 100, CMC 356, CT /PT testing etc.
- Preparing and submitting MAS [Material approval sheet] and pre inspection list for SAT.
- Performed in-depth electrical acceptance testing of completed hardware, including continuity and high potential isolation testing.
- Testing of Breaker, VT, CT, switch gear, MCC feeders & preparing SAT reports.
- Testing of various Relay protection schemes at switch gear side.[ABB & Siemens].
- Conducting SAT as per relay coordination study and closely coordinating design issues with client requirement ,generating test reports.
- Transformer testing. [Stability, sensitivity, Tan delta & SFRA]
- Testing of capacitor bank, annunciation panel, VFD panel, Heater Panel, Soft starter.
- Testing and commissioning of Diesel generator, ATS transfer schemes with EB panel and verifying functional tests, No load test, load test .
- Monitoring of manufacture claims for electrical devices and operations to ensure compliance with safety protocols.
- Coordinating DCS functional checking & troubleshooting with Automation/instrumentation team.
- IPCS communication protocol, signal testing, making testing procedures.
- Performed load calculation for sizing wire, cable, DB and circuit protection.
- Coordinating meeting with client, design team and project team for better resolution of site issues reported by consultant, TPI or client.
- Managing completion of snag works coordinating handing over of sites.

2010 January - 2013 May



### **Project Engineer (Electrical)**

#### **AYT International WLL, Doha**

- Project management & Co-ordination.
- Preparing method statements, drawing verification, documentation.
- Testing of Transformers, Switchgears, CT, PT, Relays Testing. Coordinating pretesting activities and internal testing.
- Cable diagnostics including fault pre locating and pin pointing.
- Diagnostic testing of Electrical Equipment [TD, PD, SFRA, VLF etc.]
- Thermo graphic inspections of Electrical Machines/systems.
- Condition assessment tests like Vibration Analysis on Electrical Machines.
- Coordinating the training programs on testing kits of electrical equipment.
- Secured gratifying experience in high rise building projects and substation projects.

- Ensure that personnel are adequately trained to execute work assignments, that personnel comply with job instructions, that potential hazards are immediately addressed and stop work execution if safety is not guaranteed.

2007 June - 2010 January



**Electrical Engineer [O&M]**  
**English Indian Clays LTD, Trivandrum,India**

- Exercised operations & maintenance of Electrical Machines, and carrying out preventive maintenance activities by coordinating field engineers, control room operations.
- Handled Diesel Generators [500KW] operations and synchronization, 11KV substation operation and maintenance including Transformers [1.6 MVA], vacuum circuit breakers [11KV].
- Operation and maintenance activities of Induction motors ranging from 5HP to 125 HP.
- Familiar with operation of ACB & VCB, over current relays, earth fault relays, DOL & Star Delta starters, auto transformer type starters, contactors, switch fuse units etc.
- Familiar with Variable frequency drives [VFD], Temperature controllers with PID controllers.
- Parallely executed role of Project engineer in installation and design works of identical new plant near by existing plant in Trivandrum, Kerala.
- Coordinating & scheduling maintenance works quarterly, half yearly and yearly basis, preparation and submission monthly report, and coordinating production, maintenance & energy usage.
- High level of knowledge in electrical systems in plant rooms including but not limited to MCCs, DBs, and SMDBs, transformers, Fans, motors, various types of starter panels, Inverters/VFDs, UPS, Power distribution networks.

**Education**

2003 July - 2007 December



B-Tech  
 College Of Engineering Trivandrum (CET), Trivandrum,India  
 Electrical & Electronics Engineering

**Courses**

2010 Aug – 2010 Sept

Diploma in INDUSTRIAL AUTOMATION, PLC, SCADA  
 Automation & Control Systems ,Pune.

2010 March - 2020 April

Level-1 certification in VIBRATION ANALYSIS  
 SKF,Dubai

**Major projects associated with:-**

2007 June -Present

- Testing and commissioning Engineer in Borouge-3 Petrochemical plant Project [2013-2016 ] Abu Dhabi.
- Cable Testing and fault finding [TD, PD] at QChem, Qatar [2011].
- Transformer Testing at Qatar Petroleum [2011].
- Diagnostic Testing of Transformers at Ras Gas, Qatar[2010]
- Project documentation, inspection and control activities at site during automization of EICL plant Trivandrum [2007].

- 20-20 Dubai EXPO substations erection & commissioning projects (400KV & 132KV) in Dubai (2017 onwards)
- Dubai Metro substations erection & commissioning projects (400KV & 132KV) in Dubai (2017 onwards)
- Royal Oman Police complexes at Thumrait, Mazouna & Al Kamil( 2015-2017)

### Technical Proficiencies:-

- Project management & coordination.
- Drawing's review and modification, AUTOCAD.
- Test primary/secondary injection kits like CPC100 & CMC356,CT test kits.
- Secured knowledge in IPCS communication protocol and signal testing.
- Expertise in Electrical CADD for drawing modification and coordinating design team for FCR (field change requests).
- Familiar with DCS/SCADA operation and trouble shooting.
- Familiar with PLC programming with ALLAN BRADLEY, SIEMENS, MITSUBISHI, MESSUNG.
- Diagnostic testing on electrical equipment.[ TD, PD, SFRA,VLF etc.]
- Cable testing ( Tan delta , Time Delay Reflecto meter, VLF etc)

### Personnel Details:-

- Marital Status - Married
- Passport no. - R7698145
- Permanent Address - Calicut, Kerala. 673104 [Pin]
- Driving License - (1) Dubai ,UAE (63684036),  
(2) Muscat ,Oman (102354621)  
(3) India(18/5135/2003)



Skype - abhijeeth.kk

### DECLARATION

I hereby confirm that all statements & details duly mentioned above are true, complete and correct to the best of my knowledge.

Sincerely,  
ABHIJITH.KK