



**S. SELVAKUMAR**

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## Electrical & Instrumentation ENGINEER

### PROFILE SUMMARY

A capable, proven and self-motivated Electrical, Instrumentation including HVAC Supervision who has extensive experience of carrying out the maintenance, trouble-shooting and installation of electrical, Instrument and Telecom components and systems. Competent professional who is more than able to provide effective leadership to any E&I team and bring fresh ideas, new perspectives, a diversity of experiences, and a dedication to accurately diagnosing EIT equipment failures. Right now, I am looking for a suitable position with a company that appreciates and rewards excellence.

### COMPANIES (INDIA and GULF Countries)

1. **SPUR INFRASTRUCTURE OIL&GAS** (Nov 2020 to Feb 2022 ) – **India (IOCL/GAIL Projects)**
2. **TOZZI SUD SPA** (May 2019 to Oct 2020) – **Iraq** (Online from India)
3. **TOZZIRAMSIS** (May 2018 to May 2019) – **Bahrain (ALBA Line-6/PS-5)**
4. **SPECIALIST SERVICES LLC** (Nov-2014 to Feb- 2018) – **U.A.E**
5. **PUNJ LOYD Ltd Group** (Dec-2008 to Sept-2014) – **Doha Qatar**
6. **BABICH CONTRACT LLC** (Jun 2006 to Jun 2007) – **U.A.E**
7. **LARSEN&TOUBRO: L&T With AL-AHAMADIAH CONT** (May 2002 to Jun 2006) – **U.A.E**
8. **SUBALA ENGINEERING WORKS LLC** (Sep 2007 to Nov 2008) – **India**
9. **LARSEN & TOUBRO: L&T** (Aug 2001 to Feb 2002) – **India**

### WORK EXPERIENCES (Above 17 + years)

#### SPUR INFRASTRUCTURE OIL & GAS (Nov 2020 to Feb 2022) ENGINEER (Electrical & Instrumentation)



- Carrying out installation of LV & HV switchgears, AC & DC UPS systems, HV & LV Transformers, Motors, Diesel Generators, Distribution Panels, HVAC units, water pumps etc.
- Installations of lighting and small power panels, Area lightings and flood lighting & Earthing installations.
- Laying of HV, MV, LV and Control cables from field Equipment's to Sub stations and DCS systems. IR and continuity test of LV and Control cables and HI-POT test of MV and HV cables.
- Glanding and Termination of HV, MV, LV and Control cables. Jointing of all kinds of power cables with using RAYCHEM jointing systems.
- Involving in the testing and commissioning of HV and LV motors.
- Co-ordinate with vendor for the pre-commissioning and start-up of HVAC Units.
- Installation of MOV Switch racks, MOV's and ESD's at Block Valve Stations. Electrical and Instrumentation Cable gladding and terminations as per cable schedules and interconnection wiring diagrams.
- Installation and terminations for Fire & Gas equipment like FDI, GDF, GDT, Sounder, Beacons and MAC's, Heat Detectors, Smoke Detectors and Hydrogen Detectors.

#### Cathode Protection System (CP)

- Preparing cathode protection system material list as per client specification
- Installation of Cathode protection in Petroleum/ gas Pipeline and Wessel's etc.
- Installation CP junction boxes and cable pulling termination
- Cable laying of FOC cable and patching
- Testing and commissioning of installed Cathode Protection (CP) system

**TOZZI SUD SPA (May 2019 to Oct 2020) IRAQ-Online  
ENGINEER (Electrical & Instrumentation) Zubair Mishrif DGS New 33/11kV Substation.**



TOZZI provides integrated design, Engineering, Procurement, Project management services in the OIL, ENERGY sector.

- Preparing Electrical Equipment's and material details List as per provided drawings.
- Preparing Vendor list as per Client Company and ENI specification.
- Evaluate technical specification of all vendors as per project technical requirement
- Preparing and collecting complete technical data's sheet of all equipment's.
- Suggestion and approval given to procurement team to procure equipment's and materials
- Involved all Electrical Equipment's FAT like Diesel generator, HV switch board, LV switch board, AC/DC UPS system, HV/LV Transformer etc.
- Preparing Method of Statement (MS) on all Electrical, Instrumentation, Fire Gas and Telecom activities.
- Preparing Materials document (MAF) and getting approval from Client.
- Maintained a consistent record of completing assignments with in time and budget with zero accidents or Lost Time Injuries.
- Attending the project progress meeting with client ENI and subcontractor Online on every day
- Co-ordinate with QC department of the completion of preparing ITP, MS and all other document works
- Anchoring meetings with site managers and site superintendent for trouble shooting the site and drawing issues
- Planned and forecasting material requirement in accordance with progress and schedule
- Collecting Electrical vendor details and verifying all technical parameters as per project specification.

**TOZZIRAMSIS (May 2018 to May 2019), BAHRAIN,  
ENGINEER (Electrical & Instrumentation) ALBA Line-6/PS-5 1800MW CCP PROJECT.**



TOZZI provides integrated design, Engineering, Procurement, Project management services in the OIL, ENERGY sector.

- Preparing MTO and Material request to procurement and project Associated planning engineer for the preparation of work break down structures and actions for the project schedule.
- Preparing Method of Statement (MS) on all EIT activities. Preparing Materials document (MAF) and getting approval from Client.
- Interviewing and providing related trainings for the EIT Supervisors, Forman's and technicians.
- Maintained a consistent record of completing assignments with in time and budget with zero accidents or Lost Time Injuries.
- Attending the project progress meeting with client GAMA and ALBA on every day
- Identified critical issues related to site activities and ensured timely resolution of queries to ascertain uninterrupted project works
- Co-ordinate with QC department of the completion of inspection activities in lined to approved ITP which includes Raise Requisition for Inspection (NFI) to quality inspector and arrange inspections of completed activity with third party inspector and attending of inspection commends coordinating with site Supervisors.
- Addressing the punches, DSRs and OBRs from Internal and external inspectors
- Directing productive cross-functional team members using interactive and motivational leadership that spurs people to willingly give 100% effort and loyalty

- Ensured full adherence to the Health & Safety Plans, which includes liaison with governing client bodies and the emergency services as required, including timely notification and authorization for scheme parameters
- Anchoring meetings with site managers and site superintendent for trouble shooting the site and drawing issues
- Providing guidance to junior staff in the areas of; leadership, continuous improvement, decision-making and conflict resolution.
- Planned and forecasting material requirement in accordance with progress and schedule

### **Technical Work flow**

- Installation, Termination and Commissioning of
- Earthing System
- 19 no's E-ROOMs 01 no's Main Electrical control room its internal/external EIT and HVAC works Gfollner-06 E rooms, Specialist services-7 E rooms, Cen Solutions – 6 E rooms, (total 73 modules)
- LV/MV/HV 54 no's Transformers and its accessories installation, Primary/secondary and its internal cable glanding termination including OIL treatment  
GSU-06, UAT-03, SST-9, Exci/LCI-9, MV/LV-34 (GE, BEST, HYUNDAI)
- LV/MV & PC cable pulling and glanding termination
- Erection and connection of Isolated Phase Bus Duct  
GT IPBD – 1570mm Dia x 155m x 3Nos –  
465Mtrs total ST IPBD – 1070mm Dia x 170m x  
3Nos – 510Mtrs total
- Indoor and outdoor lighting and small power system installations and energization/ commissioning
- AC/DC UPS and battery Systems Installation and termination
- AC/DC transformer installation and its incoming/outgoing cable glanding termination
- MV, LV Switch Gear Installation and its internal wiring, incoming/ outgoing cable glanding termination
- HVAC Power and control systems
- MCT and fire seal sleeves Installation
- Lightening protection system installation
- Heat tracing system installation and related panels, Junction boxes, cable glanding termination
- Cable tray & cover (GRP, FRP, GI, SS) installation
- FAT/SAT- Pre-commissioning and commissioning.

### **Specialist Services Group (Nov-2014 to Feb- 2018), UAE** **Designation: Supervisor (Electrical & Instrumentation)**



Specialist Services Group is a global supplier of modular building and packaging solutions for people and equipment in the oil and gas and utility industries. Established in 1982 and with our head office in Dubai

- Preparing MTO and Material request to procurement and project Management and uploading in Process control systems (Synergy)
- Associated planning engineer for the preparation of work break down structures and actions for the project schedule
- Interviewing and providing related trainings for the EIT technicians
- Maintained a consistent record of completing assignments with in time and budget with zero accidents or Lost Time Injuries.
- Identified critical issues related to site activities and ensured timely resolution of queries to ascertain uninterrupted project works
- Updating of daily progress status for EIT activities i.e. cable pulled, Glanding terminations, Installations etc.
- Co-ordinate with QC department of the completion of inspection activities in lined to approved ITP which includes Raise Requisition for Inspection (RFI) to quality inspector and arrange inspections of

Completed activity with third party inspector and attending of inspection commends coordinating with site For-Mans.

- Addressing the punches, DSRs and OBRs from Internal and external inspectors
- Attending the production meetings with client and presenting the progress reports
- Managed a talent pool by providing special training for specific activities and utilized effectively for EIT installations
- Directing productive cross-functional team members using interactive and motivational leadership that spurs people to willingly give 100% effort and loyalty
- Ensured full adherence to the Health & Safety Plans, which includes liaison with governing client bodies and the emergency services as required, including timely notification and authorization for scheme parameters
- Co-ordinate with other disciplines and making modifications and recommend for other solutions
- Anchoring meetings with sight engineers for trouble shooting the site and drawing issues
- Providing guidance to junior staff in the areas of; leadership, continuous improvement, decision-making and conflict resolution.
- Planned and forecasting the material requirement in accordance with progress and schedule
- Writing up and submitting daily activity reports and consumed man hours to the site Construction manager
- Contacting outside vendors for parts or when requiring technical assistance.
- Supervising and allocating technicians for day today activities
- Conducting daily Quality Tool Box talks and educating the about the mistakes had happened or can occur during installations

### **Technical Work flow**

Installation, Termination and Commissioning of

- Earthing System
- Ex installations
- LV/MV/HV & NIS, IS instrument cable laying, glanding and termination
- Indoor and outdoor lighting and small power installations
- AC/DC UPS and battery Systems Installation and termination
- AC/DC transformer installation and termination
- Switch Gear Installation and termination
- HVAC Power and control systems
- BPCS, SIS and FGS Systems
- Cleaning Agent System
- Fire Suppression system
- Firefighting system
- HSSD System
- Telecom, PAGA and CCTV systems
- Network systems
- MCT and fire seal sleeves Installation
- Lightning system installation
- Cable tray & cover (GRP, FRP, GI, SS) installation
- Cathode Protection (CP) system installation and testing
- FAT/SAT- Pre-commissioning and commissioning.

### **Project Handled in Specialist Services (UAE)**

- UPPER ZAKUM 750, ISLAND SURFACE FACILITIES PROJECT - EPC2 (**ZADCO & PEDTROFAC**) 05Nos Local Equipment Rooms (LER) and 03Nos Local control rooms (LCR)
- ADDITIONAL GAS SUPPLY TO ONSHORE AND FLEXIBILITY ASSURANCE AT USSC (**ADMA & NPCC**)  
02Nos Control Rooms

- CONTAINERIZED 220kV GIS SUBSTATION & 220kV/34.5kV/34.5kV TRANSFORMERS ENGINEERING, PROCUREMENT & CONSTRUCTION FOR AL DABB'IA SURFACE FACILITIES - PHASE III (**ADCO & TECHNIMONT&SIEMENS**) 02Nos GIS transformer unit 01Nos GIS station battery room.
- HAIL SURFACE FACILITIES EPS PROJECT (**ADCO & TECNICAS REUNIDAS**) 01Nos Electrical Technical Room (**ETR**) and 01Nos Instrument Control Room (**ICR**)
- 06Nos Process Skids (**CAMARON**)
- **Kuwait**-Early Production Facility Sabriya & East Raudhaton (**KOC & SCHULMBEGER**) 04Nos Substation, 02Nos Control Room, 08Nos Local equipment room (LER), 14Nos Inlet Manifold Process Skids.
- OFFSHORE Fire rated accommodations, testing room with equipment's for various clients (**ADMA, ADCO, Qatar petroleum, Qatar Gas, Schulmbeger, Haliburton, Samsung, Redcard, ABS, GAMA, Technip, L&T, and Technoment etc.**)
- **Haliburton** testing and drilling control rooms.
- **Specialist Services** Internal HIRE units and Trailer mount generator Control units, FLEX33 accommodation modules, Metering process skids, Separator units etc...

## SUPERVISORY ESSENTIAL TRAINING

- Successfully completed Supervisory skill developing training from **SMART MANAGEMENT** twice in **U.A.E**



**Punj Lloyd Ltd Group (Dec-2008 to Sept-2014), Qatar**  
**Designation: Supervisor (Electrical & Instrumentation)**



Punj Lloyd provides integrated design, engineering, procurement, construction and project management services in the energy and infrastructure sectors.

- Planning of weekly basis work plan and preparation of material list and arrangement of materials in advance to avoid work delay during the scheduled activity. Allocation of man power for the weekly planned activity as per requirements
- Carrying out installation of LV & HV switchgears, AC & DC UPS systems, HV & LV Transformers, Motors, Diesel Generators, Distribution Panels, HVAC units, water pumps etc.
- Installations of lighting and small power panels, Area lightings and flood lighting & Earthing installations.
- Laying of HV, MV, LV and Control cables from field Equipment's to Sub stations and DCS systems. IR and continuity test of LV and Control cables and HI-POT test of MV and HV cables.
- Glanding and Termination of HV, MV, LV and Control cables. Jointing of all kinds of power cables with using RAYCHEM jointing systems.
- Co-ordinate with VENDOR and Involve in the SAT procedure of HV and LV switch gears AC and DC UPS systems, which includes protection relay testing, CT and VT testing, Bus bar HI-POT testing with using AC test kits, Die Electric tests of bus bar, and change over Logic tests of switch gears.
- As part of SAT procedure of UPS systems, charging and discharging of battery banks (Nickel- Cadmium batteries) and all device testing's in AC and DC UPS systems.
- Co-ordinate and involve in the SAT procedure of Transformers, which include winding Resistance test, polarity tests, Die Electric tests, Ratio tests etc.
- Involving in the testing and commissioning of HV and LV motors.
- Co-ordinate with vendor for the pre-commissioning and start-up of HVACUnits.
- Carrying out Load testing of Diesel Generators with using external LoadBanks.
- Installation of MOV Switch racks, MOV's and ESD's at Block Valve Stations. Electrical and Instrumentation Cable gladding and terminations as per cable schedules and interconnection wiring diagrams.
- Installation and terminations for Fire & Gas equipment like FDI, GDF, GDT, Sounder, Beacons and MAC's, Heat Detectors, Smoke Detectors and Hydrogen Detectors.

- Manpower mobilizing and work Scheduling, preparation of progress report, supervise cable pulling, gladding and termination work of power and control cables, Installation of process Instruments such as FT, TT, PT, LT and Junction boxes, fabrication and installation of cable tray and various kinds of FIRE & GAS and INSTRUMENT panels.
- Cathode protection system installation, testing and commissioning of cathode protection CP system.
- Calibration and loop checking of F&G and Process Instruments and preparation of loop folders. IR and Continuity of F&G and Instrument Cables. Supervising for the Splicing of Fiber Optic Cables.
- Installation of instrument air tubing and Impulse testing of air lines.
- Work activity-based permit, work precautions, safety and Tool box talk, LMRA/STEP prior to start the job.
- Work activity-based materials requisition and quality survey the correspond drawing based, and materials are shifting & lifting the site location.
- Ensuring all the work has been carried out as per Permit to Work system and it meets all local and international safety practices

**BABICH CONTRACT LLC. UAE (Jun-2006 to Jun 2007)**  
**Designation: Supervisor (Electrical & Instrumentation)**



- Electrical Distribution Boards and LCP installations
- High raised buildings lighting and small power installation
- Lightning and Earthing system installations
- Fire and safety equipment installations
- CCTV and network installation
- Trouble shooting and commissioning all building systems

**AL AHMADIAH CONTRACT with L&T U.A.E (May-2002 to Jun 2006)**  
**Designation: For-man Electrical**



- Generator Installation in Yards and camps
- Maintenance and routine checking
- Servicing of all electrical equipment's
- Temporary arrangements of power and panels in sites
- Electrical Distribution Boards and LCP installations
- High raised buildings lighting and small power system installation
- Lightning protection and Earthing system installations
- Fire and safety equipment installations
- CCTV and network installation
- Trouble shooting and commissioning all building systems

**SUBALA ENGINEERING WORKS LLC India (SEP 2007 to NOV 2008)**  
**Designation: Supervisor -Electrical**

- Monitoring and Supervising installation of UPS inverters
- Installation of housing Solar Panels
- Trouble shooting and servicing of UPS and Batteries

**Larsen & Toubro: L&T India. (Aug-2001 to Feb 2002)**  
**Designation: Site Supervisor**



- Provide training for newly joined EIT technicians
- Executing site electrical activities
- Controlling submitting man power and daily progress records to site engineers



## CORE COMPETENCY

- Analyzing project requirements and reviewing all the project proposals, Documents and specifications
- Developing project baselines while monitoring and controlling projects with respect to cost, resource deployment, time over-runs and quality compliance to ensure satisfactory execution of projects.
- Excellent personal management skills – experience in leading project teams
- Quick learner – capable of absorbing the complexities. Excellent verbal ability
- Good time manager, responsible, able to prioritize and execute efficiently
- Planning scheduling assignments to achieve pre-set goals within time parameters. Formulating long term/short term strategic plans to enhance operations

## ACADEMIC DETAILS

2016                      Bachelors in Technology Electrical (Lateral entry) **(BTECH)**  
Rajasthan Vidyapeeth University  
Percentage: 68.5% Grade: B



2001                      Bachelors in Electronics **(BSC)**  
KamarajUniversity, Gov't Arts College  
Percentage: 80% Grade: A



### Additional Courses/ Certification:

- Computer and Internet course KamarajUniversity, Gov't Arts College Percentage: 85
- H2S and Breathing apparatus training certificate First Aid training certificate.
- Leadership and supervisory enhancement training
- Permit To Work (PTW LEVEL-1) license issued by QATAR PETROLEUM. Permit To Work license issued by PETROFAC/U750-ZADCO.
- Permit To work license issued by KOC/Schlumberger Kuwait
- CMP/COOPER/HAWKE Glanding Installation Certificate
- Certified for Roxtec MCT Installation and inspection Certified for Installation and inspection in Hazardous area
- Certificate for Supervisory skill develop training by SMART MANAGEMENT

## SOFTWARE SKILLS

- AutoCAD
- MS office –Proficient in excel and PPT
- Enterprise resource planning software

## HARD WARE & TOOLS SKILLS

- Multi meters, Voltmeters, Clamp ammeters, Meggers, IR Heat sensor meters, IR Rpm meters, Earth Tester, Field communicator, RJ 45 tester, Hi-Pot Test kits, secondary injection kits etc.
- Basic electrician tools, Crimping tool (Manual & Hydraulic), Conduit pipe bender (Manual & Hydraulic), Cable detector, Cable fault electronic tracers, Soldering iron/Guns, Hand Grinder, Hand Drill machine, Welding machine, Heat gun, etc...

## MAJOR PROJECTS HANDLED

- **Project:** ZADCO Upper Zakum 750 Project  
**Client:** ZADCO/Petrofac  
12 Buildings of Local Control Rooms and Local Equipment Rooms
- **Project:** Strategic gas pipe line project  
**Client:** Qatar petroleum  
09 Section block valve stations and 03 control Stations
- **Project:** Doha Urban Pipe line Re location project  
**Client:** Qatar petroleum  
02 Section block valve stations and 04 control Stations
- **Project:** Multi-purpose pipe line project  
**Client:** Qatar petroleum  
05 control stations and 04 section block valve stations
- **Project:** Ras Laffan Oil Corporation – pipe line project  
**Client:** Qatar petroleum – RLOC 9 Section block valve stations and 03 control stations
- **Project:** Early Production Facility – Kuwait  
**Client:** KOC & Schlumberger – 04 Substations, 02 Control room, 04 Local equipment room and 07 Inlet manifold process skids.
- **Project:** ALBA LINE 6/PS-5 1800MW CCP PROJECT –Bahrain.  
**Client:** ALBA & GAMA – 03 Blocks, 03 Gas turbine Generators, 03 Stream turbine Generators, 78 LV/MV/HV Transformers, 19 Electrical rooms, 01 Main Electrical control building, LV and MV switch gears, AC/DC UPS systems, related cable tray cable pulling and glanding termination.
- **Project:** Zubair Mishrif DGS New 33/11kV Substation –Iraq Online  
**Client:** ENI – 01 Control room, LV/MV/HV Transformer, LV/MV Switch gears, AC/DC Ups systems, Instruments, Fire & Gas detectors, Telecom systems etc..

## PERSONAL PROFILE

- Nationality : Indian
- Age and D.O.B : 39, 10 – May – 1981
- Marital status : Married
- Languages Known : English, Hindi, Tamil, Malayalam
- Passport Details : Pass Port Number –: Z5447804
- Hobbies : Reading, Cricket, Football, Ball badminton
- Driving license : Qatar: - 16-02-2019  
Dubai: - 07-01-2027

## DECLARATION

I hereby declare that all the above information is true to my knowledge.

Thanks & Regards  
S.Selvakumar

