

# Murali Sampath

## Electrical Engineer

### REACH ME



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Chennai, INDIA



#### PERSONAL INFO

DOB: 15/11/1985

Passport No.:P4722244

Expiry:25/10/2026

### EDUCATION

**Bachelor in Electrical & Electronic Engineering.**

Anna University-Chennai, India

2006–2009

**Diploma in Electrical & Electronics Engineering.**

Dote – Chennai, India

2003-2006

### MY-INSIGHTS

|Electrical Design|

|Project Management|

|Mentoring|

|Procurement|

|Cost out|

|Team Management|

|delivery support|

| Operation support|

|customer focus|



### ABOUT ME

**Project manager with 5+years** of experience in direct handling medium-scale projects, RFQ proposals, resource fulfilment, working towards organizational goals, Preparing unified project control plan and process to ensure effective project execution.

Practiced in rationale of project risk and proactiveness in mitigating risk exposure. Experience in conversion of traditional project to agile methodology and worked to build KPIs.

Established baseline budget for new projects, reported projected revenues for each quarter, cost spend analysis and drive to increase the projection quarterly.

Experience in creating execution process map, maintained OTD and quality metrics dashboard, issue tracking, performed SWOT analysis for knowing current and future potential impacts in project.

An autonomous worker committed to providing high quality services.

Proficient in understanding business requirements and converting them into solution design and have ability to communicate effectively with clients and material suppliers.

**Senior Electrical Engineer with 10 years** experienced in protection study of electrical system, battery, battery charger, DC panel and designing of low voltage MCC switchboards. extensive experience in using a variety of proprietary engineering software including

**Electrical CAD, N X design and Catia V5**

Performed manual method of fault level calculation on Low voltage system as per the guidelines provided in IEC-60909 standard and conducted discrimination/selectivity study on Low voltage electrical network using software analysis.

## TOOLS SKILL

Electrical-AutoCAD



Catia V5



AVEVA E3D



Siemens-TeamcenterPLM



HIS & Findchips Pro



Silicon Expert



Navisworks



## CERTIFICATE

March'2023

Successfully completed an Electric power system online non-credit course authorized by the University of Buffalo offered through Coursera with 95% grade.

## WORK EXPERIENCE

### Project Lead-Electrical

TATA CONSULTANCY SERVICES

*About Company:*

TATA CONSULTANCY SERVICES IOT & Digital Engineering vertical provides detailed E2E plant design engineering and industrial supports to various oil and gas companies more than a decade.

*Experience details:*

TATA CONSULTANCY SERVICES[May'2021–Present]

Crown Solutions deputed to TCS [Jun' 2018 – Apr 2021]

*Achievements:*

- ◆Oversee a team of 15 associates to manage medium-scale electrical projects in the oil & gas industry
- ◆Ensured 100% OTD and 99% FTY in the project by meeting all contractual and commitment deliverables
- ◆Prepared execution guidelines or process map and SLA checklist for ensuring 100% quality in project deliverables
- ◆Presented workload capacity Vs capability report, and quality metrics dashboard to customers for project healthiness.
- ◆Experienced in handling auxiliary electrical equipment of various gas turbines and motor compressor units.
- ◆Complete design knowledge in the balance of plant (BOP)electrical equipment in oil & gas onshore and offshore extraction plant.
- ◆Prepared specifications for purchases of all plant electrical equipment (LV switchboard panels, MCC panel, Battery, Dry type transformers, Frequency converters, MV motors, LV & MV cables, and DC distribution panels).
- ◆Techno-commercial offers are evaluated for electrical equipment suppliers through the request for quote (RFQ) process.
- ◆Worked on first piece qualification (FPQ) for supplier selection and forming a commercial relationship with the supplier.
- ◆Direct or coordinate manufacturing, construction, installation, maintenance, support, documentation, or testing activities to ensure compliance with specifications, codes, or customer requirements.
- ◆Attended design liaison meeting held with customer for electrical auxiliary equipment present in gas turbine generator and compressor unit.
- ◆Confer with associated engineers, customers, and site personnel to discuss potential engineering requirements needed in projects.
- ◆Manage technical documents during the execution phase by following up with the supplier and customer up to finalization.
- ◆Carried engineering design reviews with suppliers and customers to ensure compliance with customer contractual specifications and project-applicable international rules
- ◆ Preparing electrical load list, cable tray layout, and equipment layouts.
- ◆ Involved3DmodelreviewandresolveinNavisworksforclashdetection.

## OTHERS

### *Notice Period*

90 days

### *Education Gap*

No

### *Employment Gap*

No

### *Relocate*

Yes

### *Travel willingness*

Yes

### *Work Model*

WFO / Hybrid preferable

## **ProjectManager–Electronic PCBA Cost-Out**

Teamware Solutions Deputed to TCS [Jun'2012 – Nov'2016]

### *Achievements:*

- ◆ Database Update- Collecting costed BOMs, update pricing and volume in a database for the related sites.
- ◆ Standardize BOMs – Correct MPNs, supplier names, and standardize variation across the sites
- ◆ Analyzed quotes for price competitiveness in the market, researched market intelligence for negotiations
- ◆ Upload Part data List into PolyDyne – Run Macro to create PolyDyne format, and correct any mistakes for sending RFQ.
- ◆ Analyze First Pass Quotes and Provide Target Pricing – Compare quoted price to market price and last price paid, develop target price based on a savings target
- ◆ Award Pricing – Analyze all pricing and logistics conditions to award the best price for the components.
- ◆ LOA Generation – Create LOAs for awarded suppliers, in order to allow Wabtec pricing to contract manufacturers and internal sites
- ◆ Clean up BOM for HLA PN's (PCBAs and Panels) indicated on the REACH survey from Compliance
- ◆ Use tools such as IHS, Findchips, and Silicon Expert to obtain the latest REACH certification information
- ◆ Work with SQE to calculate total REACH chemical concentration information relative to the weight of the HLA (PCBA/Panel) part information
- ◆ Survey needs to be completed every 6 months when REACH chemical list is published.

## **Junior Engineer –Harness Galley Design and Bonding Networks creation**

Teamware Solutions Deputed to TCS [Oct'2010 – May'2012]

### *Achievements:*

- ◆ This project involves Design and Harness Routing for Galleys and Bonding Schematic and Installation drawing for the bonding network in Galleys for AIRBUS A350 Aircraft
- ◆ All lateral and center line galley is designed with Electrical routing based on customer requirements
- ◆ Bonding schematics created with separate Bonding straps, cables, and Grounding/Bonding points will be created based on equipment and Electrical Routing. Resistance values are calculated based on strap length and current flow.
- ◆ As there will be Grounding/ Bonding network current flowing across the Galley with the difference of voltages, current, and resistance with each Electrical Equipment and component in the galleys like a Steam oven, Beverage makers, Chilling unit and Plumbing systems etc. In order to quantify resistance to prevent electric hazardous, the Bonding network needs to design effectively distribute voltage and current
- ◆ Routing carried out based on segregation, functionality aspect of the equipment and safety allocation as per Airbus Standards