

Up-dated Resume: 30 August 2020



YALAGUDRE MAHADEV KARIAPPA

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Electrical & Instrumentation Engineer with 32 years' experience in Design & Detailed Engineering, Quality Control , Erection and commissioning electrical equipment's & Maintenance, Solar, Oil & gas Projects

Professional Profile

- Extensive experience in **Oil & gas, Water Treatment, Solar Projects** and Material Handling. System.
- Well Conversant with IEC, NEC, GCC & Saudi Aramco Standards.
- Worked with International Technical Collaborators – Saudi Aramco, SABIC
- Hard working and result oriented towards achieving organizational goals and industry best practices.
- Knowledge of ANSI standards, NFPA and NEC applicable Electrical Codes

Areas of Expertise

Design Engineering

- Design Equipments as per customer's work-order requirements; hold technical discussions with customers for order finalization & layout approval.
- Oversee Design Planning for project; issue Part List & Bill of Material along with drawings.
- Electrical Equipment procurement including preparation of required specification, enquiry, quotation analysis, ordering & expediting.
- **Electrical & Instrumentation Project cost and budget control.**
- Support on preparation of project estimates and tenders for Electrical requirements.
- Site supervision of Electrical activities as required during installation.
- Interact with Vendors/Production team to solve Manufacturing bottlenecks.
- Attend client technical queries and prepare resolutions.
- Technical & Commercial review of Quotations and justifications for acceptance.
- Experience integrating field devices for flow control, material handling and metering, motion control, temperature control, and associated safety systems into an overall controls package enabling a fully-functional equipment platform.
- Familiar with electrical system design including control panel layouts, component selection, and schematics.
- Knowledge of closed loop control systems and PID tuning.
- Experienced in electrical system troubleshooting including low and medium voltage systems, PLCs, temperature controls safety systems, etc
- Basic PLC controls knowledge (example: Allen Bradley/Rockwell/Siemens/Mitsubishi PLC's, etc.).
- Material selection including PLC hardware and electrical components.
- Selection of sensors, VFD drives switchgears.
- Cable lengths and sizes calculation, cable tray sizing & design. Preparation of cable tray layouts in AutoCAD, cable scheduling & calculations.
- Preparation of schematics, instrumentation drawings, loop diagrams, SLDs, GAs, cable

- schedules, terminal diagrams diagrams.
- Design review including drawings quality checking, checking for technical errors.
- Open to Travel At International Locations.
- Ability to generate and interpret electrical drawings using EPLAN P8 & AutoCAD.

Experience Details

Since Aug 2015 QUEST Associates Pune, India
Inspection Surveyor (Electrical & Instrumentation)
Experience in inspection of Electrical & Instrumentation work.

Nature of work:-

- Third Party Inspection on behalf of QUEST direct Clients.
- Second party Inspection on behalf of some of QUEST Clients. QC department.
- Expediting work. On behalf of QUEST Clients.
- Review of manufacturer`s document records and issue of Inspection reports.

Working with Industries as follows:-

- 1. Praj Industries Ltd, Sanaswadi,**
- 2. Thermax Ltd,Pune**
- 3. Willo Mather & Plantt Pumps Pvt. Ltd., Pune**

Activities:

- Inspect and witness the construction works as per their approved Inspection Test Plan.
- Reviewing and verification of As Built construction drawings.
- Inspection and verification of instrumentation calibration activities and documentation.
- Completing and signing of inspection and test reports.
- Inspect subcontractors' and suppliers' procedures, materials, documentation, testing activities, calibration activities for compliance.

Nov 2007-July 2015 A.E.S ARABIA LIMITED RIYADH, SAUDI ARABIA
 (7-1/2 years)

(American Engineering Services- AES Arabia is EPC Company, approved by SABIC & SAUDI ARAMCO for Water and Wastewater treatment systems and services, for projects in KSA and Gulf region)
Electrical Design Engineer

Responsibility:

- Coordinate, execute and control the Electrical Engineering activities for a project in accordance with project requirements within the assigned budget, time schedule and quality standard.
- Reviewing project documentation and understand electrical scope of work and quality standard.

- Preparation of MCP design, Single line diagram, Local control panel wiring diagram, drawing layout & preparation of BOM.
- Specification study & finalization, vendor selection & finalization, schedule for development & drawing approval.
- Erection and commissioning of Electrical equipment.
- Report on work progress, bringing to notice potential problems or delays and recommend solutions
- Review the P&ID & PFD and support Process team,

Activities:

Preparation of the following Drawing and Documents

- Material take off & Electrical estimate for new Projects.
- MCP Design & Single Line Diagram
- Local control panel wiring diagram/Drawing Layout.
- Local starter panel wiring diagram/Drawing Layout.
- Power requirement.
- Cable sizing calculation.
- Cable schedule.
- Motor data sheet.
- Instrument list and datasheet preparation.
- Electrical interconnection loop diagram.
- Electrical skid conduit layout.
- Electrical skid cable tray layout.
- Electrical site conduit layout.
- Electrical site cable tray layout.
- Bill of materials preparation on SAP.

Project handled: Sewage treatment plant, Waste Water treatment plant, RO Demineralization, Chemical Dosing Units, for the following clients:

- Saudi Aramco, GCC, Sadara Projects
- Flour, Ras Tanura
- Qassim Crude Oil Pipe Line
- Al-Latifia Trading and Contracting
- Fahud Steam Injection Plant-I
- PP12 Water Pretreatment Plant BEMCO
- Yapi Merkezi Saudi Co.
- Anariyah Worksshop works of the north south railway project.
- Saudi Kayan Petrochemical Complex Phenolics Facilities
- Petrokemya ABS Projects
- Al-Marai Reject water RO Plant.

Achievements:

- Gathered good experience in the design (concept to detail design) of Electrical Control and instrumentation and SCADA systems for Sewage and Wastewater Treatment plants.

Dec.1995-Oct 2007 MASTER HANDLERS PVT. LIMITED PUNE, INDIA
(12 years) **Senior Electrical Engineer**

Responsibility:

- Design Equipments material handling system as per Customer's Work-order requirements.

Activities:

- Project designing and Planning
- Control Panel building.
- Erection and commissioning electrical equipments.
- Interact at Site as Service Support Engineer

Projects handled:

- Bangladesh atomic energy commission, Bangladesh commissioned handling system for radiation source.
- Isofom Industries, Teharan, Iran. Short cycle lamination system and impregnation system with five zones.
- Pelt arslan, Istanbul, Turkey, commissioned impregnation system.
- Vzir Agac, Vazir kopru, Turkey, commissioned impregnation system.
- M/S ASD, Duzce, Turkey, commissioned high pressure lamination system.

Dec 1988-Feb 1995 SHREE GANESH IRON FOUNDRY ICHALKARANJI, INDIA
(7 years) **Electrical Maintenance Engineer**

Responsibility:

- Maintenance of electrical equipments.

Training Programs Attended

- PLC Training at VMS Computers, Pune in 2001.

Education

- Diploma in Electrical Engineering from Government Polytechnic College, Gargoti, India in May 1987.

IT Skill Sets

EPLAN Electrical Design: Working Knowledge of EPLAN P8

Engineering Packages : AutoCAD

Other software's : MS office

ERP : SAP R/3 (Production Module)

Personal Details

Date of Birth : 15th November 1965

Marital status : Married

Present Address: Flat no. 24, B-Wing, Nr. CIPLA Foundations, Motiram Nagar,

Warje-Malwadi, Pune-411058, INDIA

Passport Details : Passport No. U 4442870 Valid till – **15/03/2030**

Current Location : Pune

Contact No. +919850154660 India (Pune).

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References shall be furnished upon request

Yours faithfully,
Mahadev Yalagudre



30-August-2020