

## RESUME

**RENGARAJU.J**

**Instrumentation Engineer**

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**KOC No: 332047**



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### Professional Summary:

- ❖ About **8+ years** of experience as an Instrumentation and Control Engineer in detailed Construction, Pre-Commissioning and Maintenance for Oil & Gas, Power Plant projects including **4 years in Malaysia & 1 year in GCC**
- ❖ Responsible for performing and documenting completion of Calibration, Installation, fault location and repair of electric, mechanical and pneumatic instruments.

### Projects

- MGT (MANIFOLD GROUP TRUNKLINE) - **KUWAIT OIL COMPANY (KOC), KUWAIT.**
- PETRONAS MELAKA REFINERY MG3 PLANT - **PETROLEUM NASIONAL (PETRONAS) BERHAD, MALAYSIA.**
- KLANG VALLEY DISTRIBUTION TERMINAL - **SAPURAKENCANA PETROLEUM BERHAD, MALAYSIA.**
- JINDAL THERMAL POWER PLANT - **BHEL, INDIA.**
- 500 MW RAMAGUNDAM SUPER THERMAL POWER PLANT - **NTPC, INDIA.**

### Organizational Experience In Abroad

- **Designation : Engineer – Instrumentation.**
- **Organization : NASER M.AL BADDAAH CONT.CO, KUWAIT.**
- **Experience : Feb 2017 to Till date**
- **project : MGT ( MANIFOLD GROUP TRUNKLINE )**
- **Client : KUWAIT OIL COMPANY ( KOC ) , KUWAIT**
  
- **Designation : Engineer – Instrumentation.**
- **Organization : SHIN EVERSENDAL ENGINEERING (M) SDN. BHD, MALAYSIA**
- **Experience : March 2013 to December 2016**
- **Project : PETRONAS MELAKA REFINERY MG3 PLANT, MELAKA**
- **Client : PETROLEUM NASIONAL (PETRONAS) BERHAD, MALAYSIA**
- **Project : KLANG VALLEY DISTRIBUTION TERMINAL,DENGKIL**
- **Client : SAPURAKENCANA PETROLEUM BERHAD , MALAYSIA**

### Roles and Responsibilities undertaken

- ❖ Ensuring adequate availability of contractor's manpower along with tools & tackles at the site.
- ❖ Coordinating with HO for requirements, Technical & administrative, pertaining to the timely completion of E&C activities
- ❖ Comprehensive experience in planning executing & controlling C&I projects.
- ❖ Responsible for instrumentation loop checking & functional test.
- ❖ Handled, Field transmitters, Leak Detection System, EDG, Chemical Injection, Clean Agent System packages, Fire and gas Alarm System, CCTV and Analyzer systems.
- ❖ Engineering and Vendor Document review.
- ❖ Erection & calibration, Commissioning of Field instruments Yokogawa, ABB, and Fuji. Metso, Fisher controls, Taylor, Samson, James burry), power cylinders (metso), motor operating valve (like Auma, Rotork).
- ❖ Interpreting with process engineer for system upgrade.
- ❖ Leading a team for installation and pre-commissioning of process control for field instruments
- ❖ Hands on a good experience in calibration of SMART and foundation field bus instruments.
- ❖ Technical Support for the instrumentation team, Prepare the method statement. .
- ❖ Proficiency in organizing and material receipt to ensure accuracy, completeness as well as the quality of calibration, Erection, Testing and commissioning of field instrument, Remote processing units.
- ❖ Familiar in working with HART communicators like - Rosemount 475,375.
- ❖ Supervision of Erection, Cabling, Loop checking and commissioning of Field Instruments, Panels and control Desks. And Tray work, Fabrication of Transmitter rack, Impulse pipe line works and leak proof testing.
- ❖ Pre-planning of the Erection and Commissioning of Field instruments using Piping and Instrumentation Drawings and making necessary changes.
- ❖ Installation of PLC, DCS, and F&G panels inside control room.
- ❖ Laying of electrical and control cables as per the cables schedule
- ❖ Familiar with PLC wiring and marshalling cabinet termination as per drawings.
- ❖ Good knowledge of Kuwait Oil Company (KOC) HSE & Permit to work activities.
- ❖ Plant Maintenance is done by Client side for All Instruments transmitter, control valve.
- ❖ Maintenance of online Instrument like Conductivity Transmitter, PH transmitter.
- ❖ Witnessing and approving construction/pre-commissioning activities such as pressure testing, flushing/ blowing and reinstatement

### **Organizational Experience In India**

- **Designation** : Engineer – Instrumentation.
- **Organization** : RAJ ENTERPRISES, INDIA.
- **Experience** : June 2009 to Feb 2013.
- **Project** : JINDAL THERMAL POWER PLANT.
- **Client** : BHEL
- **Project** : 500 MW RAMAGUNDAM SUPER THERMAL POWER PLANT
- **Client** : NTPC

### **Technical Experience – Profile**

- ❖ Supervision of Tray work, Fabrication of Transmitter rack, Impulse pipe line works and leak proof testing.
- ❖ Installation of **Turbine supervisory instruments** (Shaft vibration, Bearing vibration, Eccentricity, Speed sensor, Axial shaft position sensor, Keyphase sensor, Differential Expansion sensor)
- ❖ Preparation & Reviewing of drawings/documents like P&ID's, Instrument index, I/O list, Loop diagrams, Cable tray layout, Junction box wiring diagram, Cable schedule, Hook up
- ❖ Installation of Furnace camera TV, Boiler acoustic steam leak detector and Tilt actuator.
- ❖ Responsible for preparation of as-built, red markup drawings.
- ❖ Preparation of schedule and materials requires for successful completion of the work
- ❖ Responsible for Preparation, submission and follow up of RFI, closing check sheets and punch clearance.
- ❖ Installation of Boiler oil gun assembly, Igniter and Flame scanner.
- ❖ Installation of PH analyzer, Sodium analyzer, Silica analyzer, Residual chlorine analyzer and Conductivity analyzer.
- ❖ Calibration and Commissioning of Control Valves, Pneumatic Dampers and ON-OFF actuators.
- ❖ Calibration, Erection and Commissioning of Thermocouple, RTD.
- ❖ Calibration, Erection and Commissioning of I/P & P/I converters, Switches, Gauges.
- ❖ Calibration, Erection and Commissioning of field instruments like Temperature / Pressure / Flow / Level Instruments.
- ❖ Loop checking and troubleshooting of various field instruments.
- ❖ Calibration of transmitter using HART Communicator and Valve stroke checking.
- ❖ Coordinating with all Instrumentation activities at the sites and daily reporting to the Client and the Consultant for completion of work as per the schedule.

### **Academics**

- ❖ Bachelor of Engineer - Instrumentation & Control Engineering from Anna university (2009) , Chennai,

**Key Skills**

- ✓ Construction
- ✓ Pre-Commissioning
- ✓ Loop checking
- ✓ Commissioning
- ✓ Maintenance
- ✓ Calibration

**Hse Accountabilities**

- ❖ Ensure HSE systems are in place before starting job, ensure proper use of tools and PPE, advice co-workers on potential hazards, check safety equipment, notify management of unsafe working conditions, report HSE incidents, actively participate HSE meetings, action the asset HSE plan and attend mandatory HSE courses, following the KOC rules.

**Personal Information**

Date of Birth : July 23, 1988  
Father Name : Jayabal.V  
Nationality : Indian  
Language : English, Tamil & Hindi.  
Sex : Male  
Marital status : Married  
Passport Number : S0088249  
Passport Expiry : 01/03/2028  
Permanent Address : No: 1/248, Mainroad,  
Thittakkudi (Po), Pattukkottai (Tk),  
Thanjavur (Dt), Tamilnadu-614901

**Declaration**

I hereby declare that the information furnished above is true to the best of my knowledge and belief.

Place: Chennai  
Date:18-03-2018

**(RENGARAJU.J)**