

JIJIL THUNDIYIL

Instrumentation Engineer

Contact

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Visa Status

UAE Visit Visa

Readily Available to Join

Key Skills

- Field Calibration Services
- Commissioning & Start up
- E&I Project Execution
- Plant / Field Instruments Trouble shooting
- E&I installation Supports and maintenance services
- Experience in DCS (Yokogawa Centrum CS3000)
- E&I Control panel Installation support
- Preparation of Project E&I Packages, drawings and Manuals
- Site walk downs & Verification of instruments as per P&ID, Hookup drawings, ILD, Cable schedule, As Built verification etc.
- Organize Site, Management meetings related to project start up, execution, commissioning etc.
- Failure & Root cause analysis
- SMART Family instruments
- Handled instruments like
 - ✓ DPT (level, flow)
 - ✓ Control Valves
 - ✓ Cl_2 , SO_2 , H_2SO_4 , PH, analyzers
 - ✓ MOV's
 - ✓ Mass flow meters (Magnetic, Ultrasonic, Coriolis)
 - ✓ Anubar flow meters

Career Summary

- ✎ **Electrical & Instrumentation Engineer** with **12 years** of experience in areas of Engineering, Maintenance, Operation, Construction, Commissioning, Pre-Commissioning, Testing, Verification & Trouble shooting in Instrumentation.
- ✎ Hands on Experienced in Oil & Gas plants, Chemical plants, Fertilizer plants, Mining & Metal processing plants.
- ✎ Area of expertise includes
 - ✓ Industrial Automation.
 - ✓ Calibration & Maintenance in process instruments.
 - ✓ Troubleshooting of Analytical instruments.
 - ✓ Transducers and various measurement systems.
 - ✓ All kind of field instruments.
- ✎ Sound understanding of all instrument drawing such as P&ID, Loop Diagram and Hook up Drawing.
- ✎ Possesses strong problem solving & interpersonal skills.
- ✎ Experienced as team leader as well as lead instrument engineer in various EPC projects.
- ✎ Experience includes **6+ years of experience in Middle East – Kingdom of Saudi Arabia** & 6+ Years in various location of India.

Experience Summary

Company	Position	Duration
ADITYA BIRLA GRASIM /RSPL(Via Supertech Instrumentation)	Senior E&I Engineer	Oct 2015 – Nov 2021 (6 Years)
MAADEN Saudi Arabia (Via MGC & GAMA)	Commissioning Engineer (E&I)	Jul 2010 – May 2015 (5 Years)
SAUDI KAYAN PHENOLICS (NSH Jubail)	E&I Engineer (construction)	Jan 2010 – May 2010 (1 Year)
REGENCY CERAMIC Limited	Site Engineer	Jun 2008 – July 2009 (1 Year)

Educational Back ground

- ✎ **Bachelor of technology (B-Tech)** in Electronics & Instrumentation Engineering from Pondicherry University.
 - ✓ Completed in 2008 with CGPA 7.45
- ✎ **Diploma** in Instrumentation and Control Engineering from State Board of Technical Education Tamil Nadu
 - ✓ Completed in 2005

Work Experience

Oct'15–Nov 2021

Supertech Instrumentation Services (I) PVT.LTD

Projects

- **Grasim vilayathExpansion Project, Vagra Gujrat**
- **RSPL Soda Ash Project, Dwarka Gujrat**
- **Henkel Adhesive Technologies India Pvt Ltd, kurkumb**

Responsibilities

- The area allotted me to work in this project CAP (cs2 Adsorption Plant) and EDTA plant as electrical and instrumentation engineer.
- The main duty assigned me to installation of instrument, cable tray installation, punch clearing, supervising of cable laying, termination and assist client to commissioning
- Manpower management and schedule work.
- Plant Startup & line up of various field instruments.
- Ensured correct quality materials as per specification.
- Given guidance to instrument cable laying as per schedule and installation of instrument devices.
- Supervision of inline instrument such as flow meters (mag flow, mass flow), control valves, On-off Valves
- Installation and supervision of anubar flow meter and Orifice plate flowmeter
- Testing, installation, calibration, erection and commissioning of various field instruments
- Installation of control panels as per client's specification
- Given guidance to Installation of instruments as per hookup specification.
- Monitored and allocated works to the subordinates, maintaining and ensure safe work
- Successfully achieved client's daily target and completion of assigned work in time.
- Attended meeting with clients for future development and time bound completion of work.
- Complete the approval of measurements and billings of the work done onsite.
- Done re-conciliations, BOQ for the respective sites

Aug'12-May'15

MGC, Ma'aden Bauxite Mine Infrastructure & utility project, Albaitha, KSA

- Reporting daily report to the client about construction.
- Main duty assigned me to installation of instrument, conduit, cable tray, termination, punch clearing and assist client to commissioning.
- Manpower management and schedule work.
- Made as-built drawing for all changes in the execution.
- Ensured correct quality materials as per specification.
- Given guidance to instrument cable laying as per schedule and installation of instrument devices.
- Monitored and allocated works to the subordinates, maintaining and ensure safe work.
- Supervised cable termination at field side and control panel wiring.
- Successfully achieved clients daily target and completion of assigned work in time.
- Attend meetings with clients for future development and time-bound completion of work.

Jul'10-Apr'12

Gama industry Arabia LTD, Ma'aden Phosphate Company, Jubail KSA

Responsible for troubleshooting of:

- Gas and liquid analyzers, Chlorine analyser, so2, O2 analysers, CO analyzer H2so4 concentration analyzers, Ph analyzers
- Having experience zero calibration, calibration of analyzers
- Familiar with gas and liquid analysers functioning, co-ordinate with operation & laboratory to maintain accurate result.
- Motor operated valve, here we are using AUMA mov.
- Handled:
- Radar level transmitters adjusting parameters and make it functioning.
- Magnetic, ultrasonic flow meters and its necessary maintenance and trouble shooting.
- Bus system (Profibus), Configuration of instruments using PDM.
- Supervised maintenance and troubleshooting of differential pressure transmitters (pressure, level, flow).
- Tested and commissioning of electrical installations and equipments.
- Made as-built drawing for all changes in the execution.
- Ensured correct quality materials as per specification.
- Familiar with the concepts of DCS and its functional elements (Yokogawa centum cs 3000).

Jan'10-May'10

NSH ,Saudi Kayan Phenolics Projects, Jubal KSA

- Handled field instrument installation & instrument termination
- Prepared instrument index according to P & ID.
- Given guidance to instrument cable laying as per schedule and installation of instrument devices.
- Monitored and allocated works to the subordinates, maintaining and ensure safe work.
- Managed installation of all type of Field Instruments (Flow, Level, Pressure, Temperature, Limit switches, Proximities, control Valves etc) including the SMART family.
- Observed pressure test of instrument impulse lines and instrument airlines.
- Supervised cable termination at field side and control panel wiring.

Jun'08-Jul'09

Regency Ceramic Ltd., Yanam, India

- Installation of transmitters and field elements.
- Installation of Photocells, Magnetic proximity sensors and Limit switches.
- Temperature controllers ascon XF, XT series.
- variable frequency drives (VFD) Omron, Yashkava, and Mitsubishi made VFD
- Various photocells and proximity switches Omron, Diell make
- Various PLC controlled machines like Kiln, loading and unloading machines (roller and tekpile)
- Burners and burner controllers, Encoders
- Temperature sensors such as RTDs and Thermocouples.

- Servomotors and its calibration.
- Handled maintenance and troubleshooting of:
- PLC controlled machines, control valves, Solenoid valves, Thermocouples, RTD's and Temperature controllers
- Panel board systems. That is both hardware and software.
- Maintained Strain gauges, Pressure gauges & Transducers such as LVDT, Differential Pressure Transmitters, etc.
- Organized the shift manpower.

Personal Profile

Nationality	Indian
Date of Birth	18 th December 1984
Passport No.	S 3160264
Marital status	Married
Languages known	English, Hindi, Malayalam, Tamil & Telugu