

SURESH.G

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INSTRUMENTATION ENGINEER

Seeking exciting role in the domains of Automation with Power/ Energy/ Automation

PROFILE

- A competent professional with a bachelor in engineering with specialization in Electronics & Instrumentation Engineering.
- Over 7 Years career success in Operation, Automation and Automation projects with KPI based organization.
- Core competencies in installation, testing, documentation, servicing and maintenance.

Core Competencies

Operation

Testing & Documentation

Servicing & Maintenance

Project Planning & Execution

TECHNICAL SKILLS

Technical Proficiencies:

- Engineering, software programming and maintenance of PLCs
- Validation of Inputs/Outputs at site.
- Configuration of operating interface screen using SCADA, HMI.
- Selection of Hardware and Software.
- Involved in calibration and maintenance of Field Instruments.
- Knowledge in Various Process Instrumentation Drawings & Documents such as Instrument Database, Instrument I/O List, Instrument Specification Sheets, Loop diagrams and Electrical & Instrumentation Wiring Interconnection diagrams etc.

PLC Software's

- SCHNEIDER QUANTUM DROP – 140
- SIEMENS SIMATIC S7 400
- SCHNEIDER M580
- SIEMENS S7 1200
- ALLEN BRADLEY CONTROLLOGIX 1756

HMI & SCADA

- SIEMENS SIMATIC MULTI PANEL MP277 '10 TOUCH
- SIMATIC WINCC
- ROCKWELL AUTOMATION FACTORYTALK VIEW
- CITECT EXPLORER

PROFESSIONAL EXPERIENCE

CREW (Chennai Radha Engineering Works) Pvt. Ltd.,

(24th Aug'16 to Present)

Instrumentation Engineer

- Daily work plan activities are Preventive Maintenance, Corrective Maintenance, Shutdown Maintenance, Making checklist and Report submitting etc.
- Knowledge of **Schneider Quantum Drop** 140 series and **PLC** software.
- Knowledge of SCADA systems: **Citect Explorer**.
- Involved in calibration, erection and maintenance of **Field Instruments** like Pneumatic Valves, Pneumatic Pressure switch, Pneumatic SOV's, Pneumatic Actuator, Potentiometer, RTD PT100, RTD PT1000, Air Regulator, Air Filter, Air Lubricator, Pressure gauge, Temperature switch, Vibrating Scanner, Level Switch, Level probe and controller, Ultrasonic type level Transmitters, Pressure Transmitter, Bag Filter, Zero speed switch, Belt sway switch, Pull cord switch and Limit switches.
- Knowledge in SAP system for PTW
- **Preparation and reviewing of drawings/documents like Instrumentation Index, I/O lists, Loop diagrams, Cable tray layout, junction box wiring diagram.**

(Nov'22 to Present)

Client	Mutiara Thermal Power Plant (2 X 660 MW), Thoothukudi, Tamil Nadu.
Organization	CREW Pvt. Ltd, Chennai
Worked Area	Ash Handling Plant - Coal Mill, ESP, APH, ECO, SSCC and Silo system - Maintenance

Instrumentation Engineer

- Daily work plan activities are Preventive Maintenance, Corrective Maintenance, Shutdown Maintenance, Making checklist and Report submitting etc.
- Knowledge of **Allen Bradley ControlLogix** 1756 series and **PLC** software.
- Knowledge of SCADA systems: **Rockwell automation Factory talk view, WinCC**.
- Involved in calibration, erection and maintenance of **Field Instruments** like Pressure switch, Pressure gauge, Temperature switch, Temperature gauge, Belt scale, Weigh bridge, Ultrasonic level transmitters, Zero speed switch, Belt sway switch, Pull cord switch and Limit switches.
- Knowledge in SAP system for PTW
- Knowledge of Encoders
- Knowledge of CCTV
- Knowledge of Fire detection: LHS Cable, Smoke detector, Manual call point, IRD device. And Fire Fighting system Deluge valve system.
- **Preparation and reviewing of drawings/documents like Instrumentation Index, I/O lists, Loop diagrams, Cable tray layout, junction box wiring diagram.**

(Nov'21 to Oct'22)

Client TSPL Power Ltd., (3 X 660 MW), Mansa, Punjab.
Organization CREW Pvt. Ltd, Chennai
Worked Area Coal Handling Plant, Wagon loading system and Stacker/Re-claimer -Maintenance

Instrumentation Engineer

- Daily work plan activities are Preventive Maintenance, Corrective Maintenance, Shutdown Maintenance, Making checklist and Report submitting etc.
- **O&M** of Siemens S7-400 for stacker cum Re-claimer (SCR), Wagon loading system (WLS)
- **O&M** of Siemens S7 1200 for Truck loading system (TLS)
- **O&M** of Schneider M580 for control room.
- **HMI** – Siemens Multi Panel MP 277 '10 Touch
- **SCADA** – SIMATIC WINCC
- **Network & Communication** – Ethernet TCP/IP, Modbus RS232 and Fiber Optic communication.
- **Instrumentation Devices** – Proximity sensors, Transmitter, weighing bridges, RTD, Solenoid valves, Pressure Switch and Encoders.
- PLC programming, installation, testing, and maintenance.
- Instruments calibration, maintenance, and installation.
- O&M of Conveyor safety switches (Zero speed switch, Pull chord, Belt sway and chute block switch)
- Maintenance and calibration of Load cells and level sensors.

(Dec'19- Oct'21)

Client Karaikal Port Pvt. Ltd - KPPL, Karaikal, Puducherry, India.
Organization CREW Pvt Ltd, Chennai
Worked Area CHP, SUL, Wagon loading system and Stacker/Re-claimer -Maintenance

Assistant Engineer - Operation

- To ensure the reliable operation of the unit by managing the control desk as per operation systems and SOP's.
- Ensuring the availability of coal in the bunker for the smooth and continuous running of the main plant at 600 MW.
- Establishing permit to work system for safety of men and machines.
- To keep close monitoring of all the critical parameters of all the equipment, so that early action can be taken, so as to avoid any forced shutdown.

(Aug'2016- Dec'2019)

Client Mettur Thermal Power Station-MTPS (1X600MW), Mettur, Tamil Nadu, India.
Organization CREW Pvt Ltd, Chennai
Worked Area CHP, Wagon Tippler, Stacker/Re-claimer-Maintenance

ACADEMIC

B. E. in Electronics & Instrumentation Engineering (2012), Anna University.

HSC from Govt. Boys Higher Secondary school (2008), State Board.

SSLC from Govt. Boys Higher Secondary school (2006), State Board.

PERSONAL DETAILS

Father's Name: Gnanasekaran K

Date of Birth: 11-05-1990

Languages known: Tamil, English & Hindi

Address: 1/30A, West Street, Vallam & Post,
Panruti (TK), Cuddalore District, Tamil Nadu, Pin: 607805.

Passport: M6802572

DECLARATION

I hereby assure you that all the above-furnished details are true to the best of my knowledge. I assure you that I will do my best towards the growth of the organization.

Thanking You,

(SURESH G)