

VIGNESH . A

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CAREER OBJECTIVE

To utilize my technical skills for achieving the target and developing the best performance in the organization. I would like to implement my innovative ideas, skills and creativity for accomplishing the projects.

PROFESSIONAL EXPERIENCE

1. Site Incharge in Yokogawa India Limited (January 2021 to Present)

Position: Automation Incharge

Project # 1

Terminal Automation System of INDIAN OIL CORPORATION LIMITED (Doimukh).

Description:

Plant Automation and Commissioning Works.

Roles & Responsibilities:

- Erection and Commissioning of various Instruments in TFMS (RADAR, SERVO, TSI, AOPS, MSTW).
- Barrier gate, Card reader, Bio-metric Sensor, Turnstile Erection and Commissioning with PLC.
- DG, Fire Engine, Foam Pump House, HVLRL, Remote and Auto Mode Testing and Commissioning.
- All safety equipments, PR Valve, ESD push buttons, hooter, ROSOV and Dyke Drain valve Integration and commissioning with Yokogawa Safety PLC.
- Loading point metering system erection, Integration and commissioning. (DCV, MFM, Air Eliminator, Strainer, Batch controller, RTD, TT, RIT, Driver PB, Card Reader, Rack Monitor, Position Sensor, Earthing Relay).
- All product Pump and bay metering system Commissioning and Integration with Schneider Process PLC. (PT, CPT, DT, Turbine Flow Meter, LPPS, OFS, MOV)
- MOV Loop Testing and Commissioning Through PakScan.
- S&D, TM and Security Room System printer Erection, Bay Configuration and VDU with Annunciator Commissioning.
- SCADA and PLC Logic Modification as per site Requirement.
- All Automation Related Equipment Commissioning with Remote and Local Mode.
- All PLC and System, Printer and UPS network configuration and Through L2 and L3 Switch and Terminal Server.
- CCTV Camera Installation, Commissioning and Analytic Pattern Setting (PTZ, Dome, FLP-HD, Bullet Proof, Outdoor Box).
- Fire Alarm System Installation and Commissioning (Fire Panel, Repeater Panel, Smoke Detector, Heat Detector, Control Module, Response Indicator, MCP, Repeater Panel)
- TFMS, LRC, CCTV, Server and SAN Storage Installation Power on and Commissioning.
- Supervising Power, Control, Signal, OFC cable laying and Glanding, Termination and Splicing.
- HCD (OPD & Point Type Detector), ROSOV, MOV, HVLRL Erection and Commissioning work.

2. Site Incharge in Yokogawa India Limited (June 2018 to January 2021)

Position: Automation Incharge

Project # 2

Terminal Automation System of INDIAN OIL CORPORATION LIMITED (Doimukh).

Description:

Plant Automation and Commissioning Works.

Roles & Responsibilities:

- Erection and Commissioning of various Instruments in TFMS (RADAR, SERVO, TSI, AOPS, MSTW).
- Barrier gate, Card reader, Bio-metric Sensor, Turnstile Erection and Commissioning with PLC.
- DG, Fire Engine, Foam Pump House, HVLR, Remote and Auto Mode Testing and Commissioning.
- All safety equipments, PR Valve, ESD push buttons, hooter, ROSOV and Dyke Drain valve Integration and commissioning with Yokogawa Safety PLC.
- Loading point metering system erection, Integration and commissioning. (DCV, MFM, Air Eliminator, Strainer, Batch controller, RTD, TT, RIT, Driver PB, Card Reader, Rack Monitor, Position Sensor, Earthing Relay).
- Calibration and Testing of Proover, MFM and Batch Controller.
- All product Pump and bay metering system Commissioning and Integration with Schneider Process PLC. (PT, CPT, DT, Turbine Flow Meter, LPPS, OFS, MOV)
- MOV Loop Testing and Commissioning Through PakScan.
- S&D, TM and Security Room System printer Erection, Bay Configuration and VDU with Annunciator Commissioning.
- SCADA and PLC Logic Modification as per site Requirement.
- All Automation Related Equipment Commissioning with Remote and Local Mode.
- All PLC and System, Printer and UPS network configuration and Through L2 and L3 Switch and Terminal Server.
- CCTV Camera Installation, Commissioning and Analytic Pattern Setting (PTZ, Dome, FLP-HD, Bullet Proof, Outdoor Box).
- Fire Alarm System Installation and Commissioning (Fire Panel, Repeater Panel, Smoke Detector, Heat Detector, Control Module, Response Indicator, MCP, Repeater Panel)
- TFMS, LRC, CCTV, Server and SAN Storage Installation Power on and Commissioning.
- Supervising Power, Control, Signal, OFC cable laying and Glanding, Termination and Splicing.
- HCD (OPD & Point Type Detector), ROSOV, MOV, HVLR Erection and Commissioning work.

3. Vendor in Bharat Petroleum Corporation Limited (April 2017 to June 2018)

Position: Site Engineer

Project # 3

Terminal Automation System of BHARAT PETROLEUM CORPORATION LIMITED (Sankari).

Description:

Plant Automation and Control Works.

Roles & Responsibilities:

- Erection and Commissioning of various Instruments in TFMS (RADAR, SERVO, TSI, HLS, MSTW).
- Barrier gate, Card reader, Bio-metric Sensor Erection and Commissioning.
- All safety equipments, Valve, ESD push buttons, hooter and Dyke valve Integration with Honeywell Safety PLC.
- Loading point metering system erection and commissioning. (DCV, PD meter, Air Eliminator, Strainer, Batch controller, RTD, RIT, Driver PB, Card Reader, Rack Monitor, Position Sensor, Earthing Relay)
- All product Pump and bay metering system Erection commissioning and Integration with Honeywell Process PLC. (PT, CPT, DT, LPPS, OFS)
- Planning Room System printer Erection, Bay Configuration and VDU Communication.
- All Automation Related Equipment Commissioning with Remote and Local Mode.
- All PLC and System, Printer and UPS network configuration.
- Power, Control, Signal cable laying and Glanding and termination.
- HCD, ROSOV, MOV, HVLR Erection and Commissioning work.

Project # 4

Supervising all site work at BHARAT PETROLEUM CORPORATION LIMITED (Sankari).

Description:

Supervising All Plant Works.

Roles & Responsibilities:

- Fire water tank construction and Related valve erection and Inspection commissioning.
- Electrical Panel, Transformer, 2 pole structure, VCB Erection, Product pump with PB, DG with AMF panel, HMT, Street light and Office wiring.
- Firefighting line, Fire engine, Jockey pump, Double Hydrant, Monitor, HVLR, Related valves, Mobile HVLR, Erection and commissioning.
- Foam Pump house construction, Foam Tank, Foam Pump, Pipe line, Valve Erection and Commissioning.
- Air Compressor shed Construction, Air compressor, Dryer, Air receiver, Air line, PT, PG erection and commissioning.
- HSD/MS product tank LFET, Steel well, Nozzle, Blasting, Painting, Sprinkler Line, Foam Line Erection and Commissioning.
- Dyke wall, Fire water pump house, Road, Control room, Sample room and Both room toilet Construction work.
- Drawing preparation- General layout, Fire fighting line, Air line, Foam line, Fire escape Route, Zone classification, P&ID, Earth pit, Earth strip, Tank asbuild, Sprinkler line, Fire fighting line, PESO approval layout, CCOE approval layout, Factory approval

Project # 5

Tank Wagon Gantry Automation of BHARAT PETROLEUM CORPORATION LIMITED (Coimbatore).

Description:

Plant Automation and Control Works.

Roles & Responsibilities:

- Erection and Commissioning of various Instruments in TFMS(RADAR, SERVO,TSI,HLS,MSTW).
- Card reader, Bio-metric Sensor Erection and Commissioning.
- All safety equipments, Valve, ESD push buttons, hooter and Drain valve Integration with Honeywell Safety PLC.
- Loading point metering system erection and commissioning.(DCV, PD meter, Air Eliminator, Strainer, Batch controller, RTD, RIT, Wagon PB, Card Reader, Position Sensor, Earthing Relay)
- Wagon Pump and Bay metering system Erection commissioning and Integration with Honeywell Process PLC.(PT, CPT, DT, LPPS, OFS)
- Tank Wagon Control Room Commissioning with Remote and Auto Mode.
- PLC and System, Printer, Server and UPS network configuration.
- Power, Control, Signal cable laying and Glanding and termination.
- RO/SO/V, MOV, HVLR Erection and Commissioning work.

4. Trend Instrumentation and Automation PVT. LTD.,Chennai(May 2015 to March 2017)

Position: Commissioning Engineer

Project # 6

Plant Automation System at M/s. BOSCH LTD. (Bangalore).

Description:

Plant Automation system for Air compressor unit .

Roles & Responsibilities:

- Erection and commissioning of Plant Automation system.
- Installation of Pressure transmitter in Air dryer unit.

- Above head cable tray works.

Project # 7

Installation and Commissioning works at Hector beverages Pvt. Ltd. (Mysore).

Description:

Supervision of Mechanical works for 10KLD Beverages plant.

Roles & Responsibilities:

- Installation and Commissioning works at Sewage Treatment Plant, Water Treatment Plant and Effluent Treatment Plant.
- Mechanical Fabrication.

Project # 8

P&I Diagram of BHARAT PETROLEUM CORPORATION LIMITED (Mangalore).

Description:

Site surveying and development of Overall site of Fuel station, Mangalore (As built drawing).

Roles & Responsibilities:

- Pipeline sizes, Tanks types of valves, instruments and other components.
- Use of standards for development of the drawing.
- Mention the instruments and Valves tag number.
- Checking the drawing onsite.
- Fire fighting layout system of LPG Plant.
- Fire fighting Layout sketch of DCP's, CO2's, ESD's, DV-PB and MCP's.

Project # 9

INDIAN OIL CORPORATION LIMITED (Meenambakkam).

Description:

Preparation of drawings for AFS station

Roles & Responsibilities:

- Preparation of Isometric drawings, GADs and Layout drawings
- P&ID for PLT unit and overall layout.
- GAD and Overall Layout drawings with actual dimensions.
- Preparation of Tank As built drawings for Product and water tanks.

Project # 10

Design and documentation at WTT Technology Services India Pvt. Ltd..

Description:

Designing for Water treatment Plant

Roles & Responsibilities:

- General Arrangement Drawing for total water treatment plant.
- R.O piping and skid designing.
- U.F piping and skid designing.
- Sand, Resin, Softener filter design and frontal piping design.
- Water treatment total plant General layout preparation and piping design.

DOMAIN & TECHNICAL PROFICIENCY

AutoCAD	NX-CAM	Draft Sight
Pro/E	SOLID WORK	Photoshop
ANSYS	SOLID EDGE	MS office
Process PLC (Schneider, Honeywell)	Safety PLC (Honeywell, Yokogawa)	

ACADEMIA PROJECT

Design and fabrication of "SCREWJACK WITH RATCHET WHEEL MECHANISM" as mini project in 6th semester.

“EXPERIMENTAL STUDY OF AIR CONDITIONER USING BLENDED GAS“ as main project in final year.

ACADEMIA DETAILS

<u>COURSE</u>	<u>NAME OF THE INSTITUTION</u>	<u>YEAR OF COMPLETION</u>	<u>MARKS SECURED</u>
B.E-Mechanical Engineering	Erode Sengunthar Engineering College Erode	2015	75%
Higher Secondary Certificate	S.C.M Higher Secondary School Coimbatore	2011	88.8%
Secondary School Leaving Certificate	Government Higher Secondary School Tiruppur	2009	89%

PERSONAL INFORMATION

Father's name : Mr.K.Arumugam
D.O.B : 21-04-1994
Nationality : Indian
Marital Status : Single
Hobbies : Playing video games, Cooking and Listening Songs
Language Known : English and Tamil
Address : 2/836 Jothi Nagar,
Ganapathypalayam(P.o),
Palladam(T.k), Tiruppur(D.t) – 641605.

DECLARATION

I hereby declare that the above furnished details are true to the best of my knowledge.

Place : Doimukh

Date : 23.01.2021



[Vignesh.A]