BOOVARAGHAVAN

12 YEARS EXPERIENCED INSTRUMENT ENGINEER

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Nationality: Indian

Marital Status: Married

Date of Birth: 10/01/1986

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O B J E C T I V E S

Looking forward for a challenging career as an Engineer – Instrumentation and Controls, this demands the best of my professional ability in terms of technical and analytical skills and helps me in broadening and enhancing my current skill and knowledge.

S U M M A R Y

Professional with over 12 years of experience in the field of Instrumentation with detailed job exposure is involving the Erection, Commissioning, Operation and Maintenance of LNG regasification terminal & varies capacity of turbo-Generator, boilers and its related Auxiliaries, all kind of DCS, Spares Management etc.

E D U C A T I O N

Course	Institution	Board/ University	Year of Completion	Marks %
B.E., **Electronics and Instrumentation**	Hindustan college of engineering, Chennai	Anna University	April -2009	71%
Diploma **(Instrumentation & Control Eng.)**	Salem Polytechnic, Gajjalnaickenpatty, Salem.	DOTE	April -2006	88.25%
H.S.C	Govt. Hr. Sec.School, Mettur Dam, Salem.	State Board	March – 2004	64.8%
S.S.L.C	Vaidheeswara Hr. Sec. School, Mettur Dam, Salem.	State Board	March – 2002	67.4%

EXPERIENCE: -

- **Instrumentation Engineer**, **Indian Oil LNG Private Limited.** **DEC 2018 to till date**
  Commissioning & maintenance 5 MMTPA Capacity of **Liquified Natural Gas Regasification Terminal,** for **IOCL,** at Ennore terminal, Chennai, Tamilnadu.

- **Instrumentation Engineer**, **Nasser s.al hajri Company.** **MAY 2017 to JUNE-2018**
  Erection & Commissioning **Air separation unit (ASU),** for **Air Products,** at Jazan Economics city, Saudi Arabia.

- **Assistant Manager Instrumentation, Orient Cement Limited.** **SEP 2014 to APR 2017**
  Erection, Commissioning & Maintenance of **1 X 45 MW** Turbo Generator, **2 X90 TPH, CFBC Boilers,** for **Orient Cement Limited, C.K Birla Group** at Chittapur, Karnataka, India.

- **C & I Engineer, Doosan Heavy industries & Co** **JAN 2014 to AUG 2014**
  Erection & Commissioning of **4 x 350 MW** Turbo Generator, **4 x 1080 TPH Oil and Gas Fired Boiler,** for **Doosan Heavy Industries and Construction Co., Ltd, (GECOL)** at Libya.

- **C & I Engineer, Simphapuri Energy Limited.** **NOV 2012 to JAN 2014**
  Erection, Testing, Commissioning & Maintenance of **4 x 150 MW** Turbo Generator, **4 x 480 TPH CFBC Boiler,** for **SEPL,** at Nellore, AP, India.

- **Junior C & I Engineer, Thermax Power Limited.** **APR 2009 to NOV 2012**
  Erection, Testing & Commissioning of **2 x 25 MW** Turbo Generator, **2 x 130 TPH AFBC Boiler,**
  1 x 22 TPH WHR Boiler and its auxiliaries, Water Treatment Plant (EPC Project) for **Chemplast Sanmar Ltd.**, at Mettur, Tamilnadu, India.

TRAINING CERTFICATION OBTAINED:

- Yokogawa certified CS 3000 DCS industrial automation Engineering.
- ABB certified 800 X A 5.1DCS industrial automation Engineering.
- Operation and maintenance of LNG Regasification Terminal.

SKILLS IN DISTRUBUTED CONTROL SYSTEM:

- Hands on experience in **ABB 800XA-5.1** DCS modification of logics in control Drawing builder, graphics in display builder, protection & interlock checking of drives, loop tuning etc.

- Hands on experience in **EMERSON PROCESS MANAGEMENT OVATION-3.2** DCS modification of logics in control Drawing builder, graphics in display builder, protection & interlock checking of drives, loop tuning etc.

- Hands on experience in **YOKOGAWA CENTUM-CS3000** DCS modification of logics in control Drawing builder, graphics in display builder, protection & interlock checking of drives, loop tuning etc.
- Hands on experience in **SUPCON (ECS 700)** DCS modification of logics in control Drawing builder, graphics in display builder, protection & interlock checking of drives, loop tuning etc.

SKILLS IN INSTRUMENTATION MAINTAINCE FIELD

- Experience of working in **Marine Systems like SSL, BAS, EMS System & Un-loading Arm.**
- Involved in Commissioning activities & interlock checking of **BOG compressor, Nitrogen plant, HP LNG pump, LP LNG pump, LNG Storage tank, STV, Metering Skid & Truck loading system.**
- Erection, Commissioning and Maintenance of Fire spill and gas detector system **(FSGDS)** like (Hydrocarbon gas leakage detector, Open bath gas Detector, Cold detectors, Flame Detector, Smoke detector, FACP,LHSC, Deluge-valve System, Vesda, Clean Agent System).
- Experience of working & maintenance **of CPP (Gas Engine).**
- Experience of working in **Tank Gauging System & FO leakage system.**
- Involved in Commissioning activities & interlock checking of **DCS, ESD & FSGDS.**
- Possess in-depth knowledge of **Foundation Field Bus of E + H.**
- Experience of working in serial communication **(RS232, RS485 & TCP/IP).**
- Experience of working in **CCTV, Access Control System & PIDS** (Honeywell).
- Experience of working in **Hotline, PAGA, Telephone & Data Networking System.**
- Experience in calibration of **Gas chromatography.**
- Experience of working in fire water pups like jockey pump, electrical driven pumps and diesel driven pumps.

- Steam Turbine (S & N, GETRIVENI, and SIEMENS) Turbo power generator.
- Visualize and understand of P & ID, ladder logics, functional block diagram, control logic diagrams and P&IDs.
- Experience of working in Woodward Governor 505E, Functional check of vibrating monitoring system Bentley Nevada 3500 & Shingawa VH-5 Rack Monitoring System series using TK-3 Proximity system test kit.
- Modify, design and change control circuits & install temporary systems to sustain operations.
- Start-up, Commissioning & Maintenance of Boiler, Steam turbine, Burner management systems, Coal Handling plant, Water treatment plant, RO, Ash handling system & Well-known with the Plant Running, Preventive, shutdown and Corrective Maintenance.
- Erection, Commissioning and Maintenance of Power Plant Field Instruments, Such as Steam drum Level Transmitters, Steam Flow Transmitters, Final Control Elements (Control Valves), MOVs, Swas Analyzers & Flue Gas Analyzers.
- Responsible for coordinating with supervisory personnel, contractors, and design professionals to discuss and resolve matters such as work procedures, complaints, and construction problems.
- Ensure strict compliance to all safety norms & implement project safety plan.
- Maintenance of field instruments of Boiler, STG & BOP as per FQAP, calibration checking of the field instruments, protocol preparing, project related documentation.
- Rotating Equipment's Maintenance like ID, SA, PA fans with **ABB VFD** drives & Air Compressors.
- Skilled and fault finding in electrical systems and lockout & tag out the electrical equipment.
- Experienced in configuration and implementation of I/O points as per instrument database.
- Carried out periodic check and updating for trips loops, alarm simulation status.

SKILLS IN ERECTION AND COMMISSIONING FIELD

- Experience in Erection, Calibration and maintenance of Field Instruments such as Temperature, Pressure, Flow, Level Transmitters of Rosemount, Honeywell and Yokogawa (HART & FF protocol).

- Cable Insulation Resistance Testing, loop testing using Druck pneumatic calibrators & HART Communicators (375/475), Honey well MCT202, Fluke process calibrator 724, Temperature stimulators like Fluke, scandura, druck etc.

- Termination inside RTU panels, DCS Marshaling Panels, Tubing of pneumatic and hydraulic lines, and installation of cathode protection systems, solar systems, instrument & electrical Earthing systems.
- Calibration of Smart Transmitters, Control valves, Trip Amplifiers, Pressure Safety Valves and Pressure Control Valves.
- Preparation of calibration & loop check reports, history cards, documentation works for Q.C certification. Perform preventive and corrective maintenance of test apparatus and peripheral equipment's.
- Experience in installation Calibration and maintenance of pH, Conductivity, Silica Analyzers.
- Experience in Installation, Calibration and maintenance Analyzer like Oxygen, CO, SPM, and SOX & NOX.

COMPUTER SKILLS

- C Language, C++, Microsoft Office.
- Hands on experience in SAP System.

LANGUAGE SKILLS

English, Tamil (read, Write, Speak) & Malayalam, Telugu, Hindi (speak only).

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

Boovaraghavan