###### **INSTRUMENTATION MAINTENANCE ENGINEER**

###### 

**GOPAL T R**

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**CAREER OBJECTIVE**

I am looking for a good position in the field of Instruments and Automation in a prestigious company where my previous skills and capabilities can be put to efficient use. I possess effective organizational skills and the ability to supervise a team and develop the final output.

**SUMMARY OF SKILLS:**

* About **6+ year’s** hands onexperience as **CONTROL AND INSTRUMENTATION ENGINEER** in detailed commissioning and maintenance of all field instruments, Automation systems and control systems in Various Power Plants with different capacities.
* Regular Control logics monitoring, Logic bypass and simulation, program modification, program backup maintenance, faults identification, Troubleshooting, alarm and trend checking of DCS & PLC system.
* Installation, commissioning, calibration, maintenance and troubleshooting all kinds of field instruments (Transmitters, Switches ,temperature elements, Valves, CEMS Analyzers, SWAS Analyzers, Ash handling system, Coal handling system, Belt scale etc.).
* Maintenance and calibration of the control valves, on-off valves, motor operated valves, solenoid operated valves and pneumatic cylinders of MIL, Forbes Marshall, Dresser, Pneucon, ABB, Fisher and MOV Rotark, Auma, Nanjing instruments.
* Review of all the instrumentation related documents like control wiring diagrams, P&I diagrams, I/O Lists, instruments list, flow chart, hook up diagrams.
* Planning and execution of Maintenance and calibration schedule; ensuring safe and efficient performing of PM, guiding technicians.
* Preparation of documents for the instrumentation departments daily, weekly and Monthly reports, standard maintenance and calibration procedures, Spare list, checklists etc.
* Spares balance investigation and inventory control for all instruments spare parts.
* Excellent communication interpersonal skills.

**CURRENT ORGANIZATION:**

**Organization** : **POWERSOURCE OEG SERVICES INC (ILIGAN CITY, PHILIPPINES-9200)**

**Site** : POWERSOURCE PHILIPPINES ENERGY INC (1 \* 20MW CFBC TPP)

**Designation** : Instrumentation Engineer

**Duration** : Oct 2018 to Oct 2020.

**PREVIOUS ORGANIZATION DETAILS:**

* **Organization** : **PREMIER PLANT SERVICES AND ENGINEERS LTD** ( Feb 2017 to May 2018 )

**Site** : HMEL Refinery 2 \* 300 TPH CPP (PUNJAB)

**Designation** : C&I Technician

* **Organization** : **CETHAR ENERGY LIMITED, TRICHY (** Dec 2013 to Jan 2016 )

1. **Site** : **DHUNSERI PETROCHEM LTD, HALDIA (WESTBENGAL).**

**Capacity** : 10MW and 8MW AFBC CAPTIVE POWER PLANT.

1. **Site** : **ABHINAV STEELS AND POWER LIMITED, ALLAHABAD, (UP).**

**Capacity** : 60MW CFBC THERMAL POWER PLANT

**RESPONSIBILITIES**:

* Responsible for Supervision & Monitoring of the process control instruments and process parameters in DCS,PLC (Sciyon NT6000, Yakogawa Centum VP, Emerson Ovation DCS and Siemens PLC)
* Review of control philosophy of BMS, CLCS, OLCS, ESD, MFT and control logic diagrams, P&ID diagrams, I/O Lists, instruments list, flow chart and hook up diagrams.
* Interlock logic monitoring and modification in S7-415H, S7-200 smart PLC & WinCC SCADA
* Maintenance, calibration and troubleshooting of all the field instruments like transmitters, switches, temperature elements, coal weighing system, control valves, actuators, motorized valves, pneumatic dampers, turbine related instruments, Fire alarm system and CCTV monitoring etc..
* Handling the shift, supports with the operation engineers for smooth operation, attends and solves the problems in the shift.
* Over All Maintenance in Ash Handling System, Air Compressors, Desiccant air drier, pull card switch, Belt Sway Switch, Zero speed switch and Bag Filters timer unit.
* To review of instrument data sheets, control system drawing, wiring and interlock diagrams.
* To review of construction documents like cable schedule, cable set route, instrument hook ups, instrument loop diagram etc.
* Reporting periodically to HOD of Instrumentation; preparing PM, SMP, SCP & SOP and shutdown activity planning and reports.
* Experienced in Handling the HART communicator (Emerson 375, 475 Field communicator and Masibus 2003) and Current Loop Calibrator.
* Experienced in Handling the Pressure calibrator like Deadweight tester, Hand pump calibrator and temperature calibrator.
* Experienced in Erection, commissioning and troubleshooting of BOP of Power plants like CEMS analyzer, SPM analyzer and parameters of SWAS like pH, Conductivity meter, silica, sodium and hydrazine analyzer systems.
* Co-ordinate with other maintenance department for execution of instrument related jobs, Provide Support to carry out other department maintenance jobs and leading technician team.

**EDUCATIONAL QUALIFICATIONS:**

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| --- | --- | --- | --- | --- |
| **Course** | **Year of Passing** | **Name of the Institution** | **Board / University** | **Marks %** |
| B.E (Electronics & Instrumentation ) | 2012 | SETHU INSTTITUTE OF TECHNOLOGY, VIRUDHUNAGAR | ANNA UNIVERSITY, CHENNAI | 74.5% |
| HSC | 2008 | SOURASHTRA BOYS HIGHER SECONDARY SCHOOL, MADURAI | STATE BOARD | 82% |
| SSLC | 2006 | SOURASHTRA BOYS HIGHER SECONDARY SCHOOL, MADURAI | STATE BOARD | 82% |

**AUTOAMTION TRAINING CERTIFICATE:**

Post Graduate in Industrial automation training certificate completed on 2015.

**PERSONAL DETAILS:**

Name : T R Gopal

Address : 31, Keeraithurai Melathooppu, Madurai-625 001

Date of Birth : 19-08-1989

Father Name : T R Ramalingam (late)

Nationality : Indian.

Marital Status : Single

Languages known : Tamil, English, Hindi

Passport No : R4712338

**Declaration**

I hereby declare that all information stated above is true to the best of my knowledge.

Place: Yours Sincerely,

Date: (T R GOPAL)