

# RESUME



**G.VIJAY**

**Instrumentation Manager**

**Total 16+ years of Experience in Cement and Power Industries**

**(CCPP, CPP, WHR, HRSG, KILN, PACKING)**

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## PROFILE:

- An accomplished Instrumentation Manager with nearly 16+ years of expertise in Project Management, Maintenance, Testing and Commissioning, Quality Assurance & Control, Resource Optimization and HSE Management
- Work experience in Combined Cycle Power Plant, Coal Based Power Plants, and Waste Heat recovery based power plants, HRSG and Cement industries.
- My main goal is to ensure that design, development, installment, maintenance and repair operations are cost-efficient, safe, and effective. I will see to it that Equipments, Instruments, Systems and Processes reach high quality standards.
- Sensitive to the dynamics of cross-cultural workspaces; Open to worldwide relocation
- An enterprising leader with proven dexterity in leading and directing personnel towards accomplishment of a common goal

## EDUCATIONAL QUALIFICATIONS:

- YOC-2006, **BE - Electronics & Instrumentation**, 1st class, Under Anna University TN - Regular
- YOC-2003, **Diploma - Electrical & Electronics**, 1st class, Under DOTE- Regular
- YOC-2019, **Diploma – Industrial Safety**, 1st class, Annamalai University- Distance

## EMPLOYMENT DETAILS:

<b>Current Employment:</b> M/s. Tanjore Power Limited (M/s. LANCO / ABAN) – CCPP-120MW Position: Manager, From Dec-2016 to Till Date	<b>5+ Years</b>
<b>Previous Employment:</b> M/s.Chettinad Cement Corp Limited- TN & KA (Area: CPP-WHRP-CEMENT) Position: Dy. Manager, From May-2009 to Dec-2016	<b>7+ Years</b>
<b>Past Previous Employment:</b> M/s.Hofincons InfoTech & Industrial Service (P) Ltd-TN Position: Engineer, From June-2006 to May-2009	<b>3 Years</b>

# RESUME

## **EXPERIENCE SUMMARY:**

- Hands on experience in Erection, Commissioning, Maintenance of all field instruments (Monitoring Instruments, Control Elements), Analytical instruments and Analyzers.
- Basic knowledge in Electrical Equipment, Panels and Switch Yard Maintenance activates and schemes.
- Experience in handling of Control Systems - Speedtronic GE MARK-V with CIMPLICITY SCADA V 9.5, Siemens DCS-SPPA-T3000 SP3, Siemens PLC SIMATIC S7-400, Siemens PLC S7-1515, Invensys-DCS, and ABB 800xA-DCS.
- Experience in working with Profinet, Profibus and Modbus Communication Protocol.
- Experience in Graphic (MIMIC) & logic development, System Optimization for more reliable operation of Boiler, Turbine, BOP and Utility.
- Knowledge in Equipment and Process interlocks and Control schemes in Boiler, Turbine, Power evacuation system, and SFC, GBC, BOP, Kiln, Packing and Utility area.
- Good compassionate of Operation requirements and through protocol will execute modifications in Control System and Field Instruments.
- Experience in FAT & SAT for DCS logic and panel inspection
- Experience in maintenance and troubleshooting of turbine supervisory, governing and emergency shutdown system.(SERVO / MOOG ACTUATORS, VMS, SPEED, HYDRALIC SAFETY BLOCKS etc)
- Experience in maintenance and troubleshooting of CEMS, O2, SWAS, Online silica analyzers and other analytical instruments.
- Experience in maintenance and troubleshooting of Plant Fire Alarm and Protection System
- Experience in handling of Master Calibration Instruments (Pneumatic and Electronics)
- Experience in maintenance and troubleshooting of Plant Surveillance System
- Experience in preparation of SMP-Standard Maintenance Procedure with reference of instruments functionality and OEM Manual.
- Knowledge in SAP Module (Work Permit System and Material management)
- Good awareness in PTW-Permit To Work & LOTO-Lock Out and Tag Out system procedures and EHS requirements
- Experience in preparation and review of P&ID, Control Loop Drawing, IO list, Cable schedule & IO grouping for junction box, tagging, ferruling of control cables, Loop checking and logic's test trial checking for equipments and instruments. Experience in handling of all drawings with AutoCAD.

# RESUME

## **Responsibilities & Duties**

- Planning, Organizing and leading a Team to perform predictive, preventive and ad-hoc maintenance.
- Responsible for On Time Execution of Maintenance actions as per plan and Operation requirements.
- Upkeep of all technical documents (SMP) for quick troubleshooting and minimizing instruments downtime
- Leading a team in innovating cost-effective solutions in optimizing instruments performance to ensure the availability and increase life time.
- Optimizing the needs of instruments based on process requirement and inventory control to sustain integrity and reliability.
- Periodically ensuring the functional and accuracy of online gas chromatography and flow meters in GAIL terminal during joint calibration with Gail personal.
- Upkeep of computer-aided database like
  - Daily log,
  - Instruments Service History,
  - Monthly Maintenance Report,
  - Shutdown Maintenance Report.
  - Upkeep of Calibration data sheet,
  - Inst tagging and calibration labeling,
  - Upkeep of PM Schedule,
  - TBT Record,
- E-Waste Material Segregation and Report Generation, Record maintenance (Generation, Storage, Disposal - Monthly FORM-II / Annually FORM-III) for TNPCB
- Certified Internal Auditor and Maintaining legal records for ISO 14001, ISO 50001 and OSHAS 18001 documentation and responsible for internal / external audit
- Upkeep of Master instruments certification and availability.
- Ensuring workplace safety & health of team members to eliminate Incident / Accident .
- Preparing of annual budget and monitoring the expenditures
- Organizing periodic training programs to team in areas of field instruments and related to EHS.

# RESUME

## Current Employment Profile:

M/s.TPL is a Gas-based Combined Cycle Thermal Power Plant located at Tanjore dist, Tamilnadu is an ISO 14000, 45000, 18000, 50001 accredited companies.

Total Capacity: 120 MW Combined Cycle Independent Thermal Power Plant

- 1\*70 MW M/s.GE Gas Turbine, Frame: 6FA,
- 1\*50 MW M/s.Siemens Steam Turbine,
- 1\*165 TPH M/s.Thermax HRSG Boiler
- 2 nos of two Stage, Double acting, Reciprocating Gas Boost Compressors, Make: M/s.Dresser–Rand, Model :7HOS2

## Previous Employments Profile:

**M/S.CHETTINAD CEMENT CO LTD** is operating its cement manufacturing business at various locations across the India with captive power deployment. 7+ years worked with M/s.CCCL as a Dy. Manager in Instrumentation. During tenure executed C&I Erection, Commissioning and maintenance activates of following Works.

Ariyalur Works - Tamil Nadu - 3\*15MW CPP

Karikkali Works - Tamil Nadu - 1\*15MW & 2\*30MW CPP

Kallur Works – Karnataka - 1\*30MW & 1\*7.5MW WHR CPP, CEMENT PLANT

**M/S.HOFINCONS INFOTECH** is providing O&M service to various industries in India and other countries and I worked at different client works as an Engineer in Power Plant Maintenance.

CLIENTS	PLANT SPECIFICATIONS
M/S GRASIM CPP. ARIYALUR, TN	1X12.5 MW Boiler: M/s.CVL, Capacity:56 TPH, AFBC & Turbine: M/s. BHEL, Type: Extraction 3 x 6.25 MW-DG SET Make: M/s.Watzella Engine, Model:18V32LN
M/S MALCO SALEM, METTUR, TN	4x25 MW (MADRAS ALUMINIUM COMPANY), Boiler, Capacity:135 TPH, Type PF , Make: M/s.Shanghai power Turbine Capacity:25 MW, Make: M/s.Shanghai power

## Personal Details:

- Nationality : Indian
- Known language : Tamil, Telugu & English.
- Pass Port : valid up to 03.05.2028
- Native Place : Salem Dist, Tamilnadu, India
- Current Location : Tanjore Dist, Tamilnadu, India