

## RESUME

**M.CHITHAN**

**B.E, Electrical and Electronics Engineering**

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**Present Address:**

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TamilNadu (India).

### OBJECTIVE

Experience in Electrical & Instrumentation Core professional with over all 5 years in work forces allocations and Electrical layout with Organizational skill, Understanding of Project Engineering and maintenances activities and new technologies involved in industry, motivated to learn, grow & excel in professional industry.

### EXPERIENCE SUMMARIES

**THE INDIA CEMENTS LTD – TamilNadu, Senior Engineer - Electrical. (Since May-'23)**

- ✓ **Involving in Erection and Commissioning of FLSmidth – OK Mill (VRM) from Electrical and Instrumentation.**

❖ **Role and Responsibilities**

- **Manage the Electrical and Instrumentation** control scope of process improvements, capital expansion and obsolescence mitigation project.
- Commissioning and attending the **FAT-Testing** with departments.
- **Simo code Pro-V IMCC Module** Individual Programming, Parameters assigned and check signal test through DCS with Commissioning Team.
- Provide a higher-level support for **SIEMENS-S7:400 PLC, HMI and Field Transmitters** and Programming for all Plant data managements through **FLSmidth (ECS-SCADA)**.
- Coordinate all phase of assigned project from concepts, scope development, written specification, and **Electrical SLD/Drawings** upgradation.
- **SIEMENS SINAMIC -GH180 MV-Drive** Commissioning and Testing with support of manufacturer and learn system.

**THE INDIA CEMENTS LTD – Rajasthan, Senior Engineer - Electrical. (Aug-'18 -May- '23)**

- ✓ **Handling Individually MRSS, Raw mill (VRM Atox-37.5), Pyro-Coal/Kiln, Cooler (FLSmidth) & Grinding section as a Section In-charge.**
- ✓ **Having Electrical Supervisor Class-A License in Rajasthan State Permit.**

❖ **Role and Responsibilities**

- **Operation and Maintenances** of Electrical parts and spares. i.e., **Motor, Transformer, ACB/VCB Breakers, Control Panel, MCC and CT/PT, Isolator.**

- **Erection & Commissioning** of HT-Panel and LT-Transformer.
- Taking care of Operation and Maintenances in 132KV/6.6KV Switchyard, and analyses of electrical faults to minimize the breakdowns.
- Handling **SIEMENS-PCS7 [V-9.1] Programming Logic Control** - CFC chart modification/Tag creation and implement the hierarchy output.
- **Field Instruments** (Dozing Valve, Pneumatic Gates, Dampers, Calibration of Weighing Systems Etc.,)
- **Technical evaluation of spares offers from vendor and PR creations.**
- Preparation of Daily Power Report and also working of Open Access, Power Trading/Consumption.
- Overhauling of **HT/LT-Motors, Power Transformer OLTC & Breakers.**
- **LT/MV VFD drives** installation and troubleshooting problems.
- Handling operation and maintenances of **Kiln Main Drive: DC Drive Motor, Converter Duty Transformer & Frequency Drive.**
- Implementation of safety during Process and Maintenances.
- Preparation of Breakdown Analysis Report and evaluate with Team.
- Coordinating **Technical faults, reach total analytical fault**, finding solutions, Manpower management, empowering – subordinators.
- Maintain Documentation and reports of **ISO 50001 Energy Management & TPM** of Electrical Department.

#### ❖ **ACHEIVEMENTS**

- Member of **Energy Management** Team with Energy assessment.
- **Commissioning** of Ash Feeding system in Coal Dozing plant (involve in both E&I section with individually design **DCS Logic Development**).
- **Erection and Commissioning of 1500kvar Generator panel with 2-MVA Transformer** for Improving Grid Power Factor (Reduce PF Surcharge).
- Take initiative in Power Saving regarding's and improvements/modifications.
- Fully Automation of **ELGI-Compressor's** Control from CCR ON/OFF & also load can be monitored in DCS with smooth maintain of Plant over-all pressure.

**APPASAMY ASSOCIATES PVT LTD - Assam (North-East Region), as a Service Engineer.**  
**(Jun17 To: Mar18)**

#### ❖ **Role and Responsibilities**

- High precision **calibration** and advanced adjustments using **ophthalmic testing instruments.**
- Interact directly with customers and discuss regarding system related issues and software configuration and hardware related problems.
- Streak Retinoscope eye alignment process and sensing range setting done.
- Assembly and servicing of **Keretometer Refractor** machine-AARK 7000 model.
- Installation, Repairs, Inspection, Refitting and adjusting products as required.
- Compatibility Tonometer Calibration and able to Handling Operation.
- **Autorefractor Machine** servicing process and attend troubleshooting.
- Commissioning, Installation and able to handle servicing of surgical operation Microscope [Model: **Brilliant Shift-250 LED**].
- Commissioning of **Ophthalmic Phacomulsifier Controller Unit** and also able to trained the surgical member.

## ACADEMIC CREDENTIALS

Qualification	Board/University	Year of Passing
B.E (Electrical and Electronic Engineering)	Ramco Institute of Technology, Rajapalayam.	2017
Diploma (Electrical and Electronic Engineering)	P.A.C. Ramasamy Raja Polytechnic college, Rajapalayam.	2014
Diploma (Industrial Safety)	Annamalai University	2021

## TECHNICAL SKILLS

- ◆ **Designing** : AutoCAD, MULTISIM & ETAP-19.0.1.
- ◆ **System Software's** : Windows XP, Windows 10, Excel, Indices-ERP, IBM Lotus & Zoho.
- ◆ **Automation** : RX-Logic 500, **Siemens Logo V7.1 & Siemens SIMATIC-S7:400 PLC.**

## AREAS OF INTEREST

- ◆ Electrical Machines
- ◆ Power System Analysis and Transient
- ◆ Programming and Logic Control

## CERTIFICATIONS

- ◆ Completed **ARDUINO, RASPBERRY PI, PLC-SCADA.**
- ◆ **NDT Rope Access Course Level-1** Completed.

## CAPABILITIES

- ◆ Leadership quality
- ◆ Readiness to learn new ideas
- ◆ Field worker
- ◆ Self confidence
- ◆ Language Proficiency -English, Hindi & Tamil
- ◆ Equipped with Indian Passport and legal documents