

## Kala Gireesh

Flat No#12, Al Zamil Building , Building #62, Road#3601, Block#336 , Adliya , Manama, Bahrain.

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### Professional Synopsis

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- ✓ Overall 9 Years 9 Months of considerable experience in power industry on Controls & Instrumentation segments.
- ✓ Core experience in GE Gas Turbine Technology and Control systems.

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### Career Highlights

**Company:** GE FieldCore

**Designation:** Technical Advisor - Controls

**Period:** Sept'2017 to till date

**GE SSO:** 605010811



### MAJOR RESPONSIBILITIES:-

- ❖ Handling turnkey projects of GE Gas turbines and responsible for installation, commissioning & service support for Mark-VI, Mark-Vie, Mark-VieS Turbine control systems at various customer sites. Also worked on Alstom Steam turbine for 2 new installation projects.
- ❖ Installation of Control Panels, HMIs, configuring system Network & establishing communication with subsystems. Review of IO list, loop schematics, logic drawings & referring these documents for loop checking, simulation while commissioning of control system. Downloading/uploading the application software to the controller from Engineering server and performing offline/online modification in the application as required.
- ❖ Start-up supports and troubleshoots at customer sites.
- ❖ Remotely supporting to customer for their technical queries in regard with installed control systems.

### Major Projects:-

- ❖ Malaysia Track -4A , Steam Turbine commissioning – ongoing . Single shaft configuration 2 units, GT (**9HA.02 GE Gas Turbine**) and ST (**D652 Alstom Steam Turbine**) on the same shaft). Control system MarkVies.
- ❖ ALBA Bahrain , Steam Turbine Commissioning . 3 x GT (**9HA.01 GE Gas Turbine**) and 3 x ST (**D652 Alstom Steam Turbine**). Control system MarkVies.
- ❖ Generation and Optimization Center project for SEC Saudi.
- ❖ Control system upgrade from Mark-V to Mark-Vie at Marafiq site Yanbu.
- ❖ GT Startup support for sites like ARMCO(Saudi), Marafiq(Saudi), Al-Taweela(UAE).

Company : GMR Energy Group (GAS BASED POWER PLANT (3 x 384 MW))  
Designation: Associate Manager – Controls & Instrumentation Dept  
Period : April'2016 to August'2017



### Plant Configuration

Phase#1 – One Unit – Gas Turbine (GE - 9FA ), Steam Turbine (Alstom), HRSG (L&T)

- GTG Control System – GE- Mark-VI
- Distributed Control System – Yokogawa CS3000
- STG Control System – GE- Mark-VI

Phase#2 – Two Units – Gas Turbine (GE - 9FA), Steam Turbine (Alstom), HRSG (L&T)

- GTG Control System – GE- Mark-VIe
- Distributed Control System – Yokogawa Centum VP
- STG Control System – GE- Mark-VIe

### MAJOR RESPONSIBILITIES:-

- ❖ Planning and Execution of Shutdown and Preventive maintenance activities of HRSG, Gas Turbine, Steam Turbine and BOP.
- ❖ General Field Instrumentation: Procurement, selection and installation of various field instruments for Pressure, Flow, Temperature, level, Flame monitoring unit, & Quick Shut off valves etc. Preparing and Review of specification and data sheets.
- ❖ Startup-supports and Troubleshooting activities in the field as well as in the control systems.
- ❖ Vendors meet for Instruments Procurement and finalization.
- ❖ Conducting In-House Training for the Employees

Company : BHEL-GE Gas Turbine Services Pvt. Ltd. (GE Power)  
Designation : Field Engineer – Controls & Instrumentation  
Period : March'2012 to April'2016  
GE SSO: 502068480



### MAJOR RESPONSIBILITIES:-

- ❖ Handling turnkey projects of GE & BHEL Gas turbines (Non-DLN Frames) and responsible for installation, commissioning & service support as OEM of Mark-VI and Mark-VIe Gas Turbine control systems at various customer sites
- ❖ Installation of Control Panels, HMIs, configuring system Network & establishing communication with subsystems. Review of IO list, loop schematics, logic drawings & referring these documents for loop checking, simulation while commissioning of control system. Downloading/uploading the application software to the controller from Engineering server and performing offline/online modification in the application as required.

- ❖ Start-up supports and troubleshoots at customer sites.
- ❖ Remotely supporting to customer for their technical queries with regard to installed control systems.
- ❖ Attending Project Kick off & pre-outage meetings with clients & resolving their issues

**Major Projects Handled:-**

- RLNG fuel conversion projects at NTPC (kayamkulam).
- RLNG fuel conversion projects at IOCL (Panipat) , Maruti Udyog(Delhi)
- Mark Vie Upgrades at NEEPCO (Agartala), PPCL (Delhi), BPCL (Mumbai), HPCL(Vizag)
- Been a part of R&M projects at NTPC (Kawas)

**Company: Operational Energy Group (O&M Company)**

**Designation: C&I Trainee**

**Period : Feb'2011 to Feb'2012**



**MAJOR RESPONSIBILITIES:-**

- ❖ Handling **commissioning & Up-gradation** of **PLC** systems i.e. Gas Turbine Control Systems (GE-Mark VI). It involves review and preparation of **loop drawings, control schematics** and **logic drawings**, preparing instrument list, and checking and simulation of **interlocks**.
- ❖ **Shutdown and Preventive maintenance** activities of **HRSG , Gas Turbine (Major Inspection, HGPI, CI)**. Involves maintenance of Burner and damper field Instrumentation i.e. Flame monitoring unit, Quick Shut off valves, Boiler drum level Instrumentation, Gas Turbine specific instruments such as **Servo valves, LVDTs, Flame detectors, vibration sensors and machine monitoring**, Exhaust and wheel space thermocouples, etc.
- ❖ **General Field Instrumentation:** Procurement, selection and installation of **various** field instruments like Pressure, Flow, Temperature and level Transducers and transmitters. Preparing and Review of **specification and data sheets**

**Trainings:**

- Three weeks training at GE –Energy Learning Center (Schenectady- New York state, U.S) on **Mark Vie control system**.
- **Basic Essential leadership training (GE-certified training)**, Hyderabad.
- Three weeks training at GE –Energy Learning Center (Houston , U.S) on **Steam Turbine Operations**.
- Three weeks training at GE –Energy Learning Center (Houston, U.S) on **Mark-V control System**.
- One week training from GE –Energy Learning Center (Houston , U.S) on **7HA – Gas Turbine controls**.

## Personal Skills

- Possess good communication skills
- Ability to listen, analyze keeping in mind the benefit of the organization
- Work Against Deadlines (With self goal setting system)
- Regular mediation for appropriate though process and tackling the situations with ease.

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## Academic Highlights

- ✓ **B.Tech (Electronic & Communication Engg) in Year 2010 with 64.05 %** marks from Geethanjali College of Engineering & Technology, Hyderabad, affiliated to Jawaharlal Nehru Technology University, Hyderabad
- ✓ **Intermediate (MPC) in the year 2006 with 87% from Narayana Jr. College, Hyderabad** affiliated to Board of Intermediate Education, AP.
- ✓ **Secondary Education (10<sup>th</sup> Standard) in the year 2004 with 76.1% from Good Samaritan High school Hyderabad, Board of Secondary Education.**

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## Personal Dossier

✓ Date of Birth	: 12/08/1989
✓ Languages known	: English, Hindi & Telugu
✓ Passport number	: Z4843244
✓ Bahrain CPR	: 890856451