

RESUME

SENTHIL KUMAR. M

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CAREER OBJECTIVE

To obtain professional and technical excellence through sincerity and hard work in an open minded, professional and caring organization.

JOB PROFILE

Total experience (10.5 Years)

EMIRATES GLOBAL ALUMINIUM (From 07 Oct 2016 to Till date)

Working as Power Plant Technician in Emirates Global Aluminum (3500 MW combined cycle which includes 10 x GT (GE 9FA) and 4 x Steam Turbines (GE C7&C5), Abu Dhabi, UAE.

GENTING LANCO (From 01 Dec 2014 to 30 Sep 2016)

Worked as a Plant Control Engineer with M/S GENTING LANCO INDIA PVT LTD at LANCO KONDAPALLI POWER COMPANY LTD (1456 MW Combined cycle power plant which includes GT (GE 9FA) & ST (HTC) , Vijayawada, India.

PIPAVAV O&M SERVICE LTD (From 07 Jan 2013 to 10 Nov 2014)

Worked as a Control Room Engineer with M/S PIPAVAV O&M SERVICE LTD at GSPC PIPAVAV POWER COMPANY LTD (700 MW Combined cycle power plant which includes GT (GE 9FA) & ST (BHEL), Gujarat, India.

GMR ENERGY LTD (From 07 March 2011 to 15 Dec 2012)

Worked as a Control Room Engineer, at GMR ENERGY LTD (220 MW Barge Mounted Combined Cycle Power Plant which includes GE (LM6000 PC) & ST (Alstom), Kakinada, AP, India.

NATIONAL POWER TRAINING INSTITUTE (From 01 March 2010 to 03 March 2011)

Studied and Undergone Training in National Power Training Institute and Neyveli Lignite Corporation (210x7), Thermal Power Plant.

VALUTHUR GAS POWER STATION (From 15 Jun 2008 to 22 Feb 2010)

Worked as Field Engineer in VALUTHUR GAS TURBINE POWER STATION (2*95 MW Combined cycle Power plant which includes GE 6FA & ST), Ramnathapuram, Tamilnadu.

EXPERIENCE

1. Plant Operation Engineer at Emirates Aluminium, Abu Dhabi, UAE.

3500 MW Combined Cycle Captive Power Plant

Roles and Responsibilities

- ❖ Carrying out smooth Start up and Shutdown of Gas turbine (GE)-9FA machine, Steam turbine (C5&C7), Heat recovery boiler (Horizontal Type- Dual pressure) and Balance of plant.
- ❖ Carrying out smooth Start up and Shutdown of Fuel Gas Compressors and monitoring Process parameters.
- ❖ Documenting Plant process data.
- ❖ Carrying out Trouble shooting activities with Maintenance Team.
- ❖ Commissioning of EMAL Power Plant and Al Taweelah Refinery Power & Steam Integration Project which includes a GE 9FA Gas Turbine ,2x HRSG, RO Plant & Condensate Treatment Centre Erection and Commissioning activities.
- ❖ Reviewing Commissioning documents.
- ❖ Preparation of Standard Operating procedures.
- ❖ Coordinating with Contractors to execute the commissioning activities.

2. Plant Control Engineer in LKPL for GENTING LANCO Power Company Limited, India.

1456 MW Combined cycle Power Plant.

Roles and Responsibilities

- ❖ Carrying out smooth Start up and Shutdown of Gas turbine (GE)-9FA machine, Steam turbine (HTC), Heat recovery boiler (Horizontal Type- Triple pressure) and Balance of plant.
- ❖ Monitoring of Process parameters and take necessary action in case of emergency
- ❖ Operation, isolation & normalization of 400 KV Gas Insulated Switchgear.
- ❖ Operation, isolation & normalization of electrical systems like 6.6 KV /415V switch gears.
- ❖ Carrying out Gas Turbine On-Line and Off-Line Water Wash
- ❖ Carrying out Plant Auxiliaries Change over and Periodic trial run.
- ❖ Documenting Plant process data

3. Control Room Engineer in GSPC Pipavav Power Company Limited, Gujarat.

For Pipavav O&M Service

750 MW Combined cycle Power Plant.

Role and Responsibilities

- ❖ Carrying out smooth Start up and Shutdown of Gas turbine (GE)-9FA machine (232MW), Steam turbine (BHEL KN-129 - 118 MW), Heat recovery boiler (Horizontal Type- Triple pressure) and Balance of plant.
- ❖ Monitoring of Process parameters and take necessary action in case of emergency.
- ❖ Carrying out STG routine activity like testing of stop valve & control valve, Over speed test in order to ensure its proper operation during operation.
- ❖ Handling of plant emergency situation like Black out and House load operation.
- ❖ Assisting equipment's isolation for handing over to maintenance work or inspection, and taking trial run when the maintenance job is completed.
- ❖ Coordinating with substation for isolating Transmission line and issuing Line clearance permit for maintenance work.
- ❖ Operation, isolation & normalization of electrical systems like 220 KV switchyard, 6.6 KV /415V switch gears.
- ❖ Involved in lube oil flushing for GT, STG and Alkali boil out and steam blowing activity for the Heat Recovery Steam Generator.

4. Control Room Engineer, GMR Energy Limited, Kakinada.

220 MW Combined Cycle Power Plant.

Roles and Responsibilities:

- ❖ Start up and shut down of GE LM 6000 PC Aero-Derivative Gas Turbine (4*45 MW), Steam turbine (ALSTOM- 53 MW), Heat recovery boiler (Double Pressure-Once through Steam Generator) and Balance of plant.
- ❖ Coordinate for issuing of Permit to Work and Isolations required for maintenance.
- ❖ Isolation, Normalization and Monitoring of electrical systems consisting of 220 KV switchyard, 6.6 KV /415V switch gears.
- ❖ Maintaining of Fuel gas Management system and report preparation.
- ❖ Carrying out Start up and Shutdown of RO&DM Plant.
- ❖ Report any abnormalities to the shift-in-charge.
- ❖ Assisting Field operator for performing weekly routine activity of equipment's like Auxiliaries change over, electric/diesel fire water pump emergency diesel generator, etc.
- ❖ Involved in Steam Turbine overhauling and testing.

5.Field Operator,VALUTHUR GAS POWER STATION.

190 MW Combined Cycle Power Plant

Roles and Responsibilities:

- ❖ Co-ordinate with Control room for Gas Turbine (6FA) and Steam Turbine, Startup and Shutdown activities
- ❖ Charging of Fuel Gas line from Gas Skid to Gas Turbine Compartment.
- ❖ Lining up Feed water system and Steam Cycle for HRSG Start up, Shutdown activities.
- ❖ Make regular routine checks on all equipment and units to ensure that they are functioning correctly in accordance with standard operating procedures.
- ❖ Assist Senior Operator in conducting routine weekly tests of equipment like electric/diesel fire water pump, emergency diesel generator, etc.
- ❖ HT and LT switchgear Operation like Isolation and Normalization.

- ❖ Assisting from local for 220 KV switchyard Operation like Isolation & Normalization.
- ❖ Check the plant and record operating data in log sheets for assigned units and systems and also special occurrences (if any) during the shift (such as operating upsets and equipment breakdowns) and discuss these as necessary with the Shift In charge.
- ❖ Report all equipment and instrument defects and leaks immediately to Shift in charge and take any possible corrective action

ACADEMICS

Course Name	University / Institution	Year of Passing	Percentage
PGDC (Thermal)	National Power Training Institute, Neyveli	2010-2011	76.56%
B.E (MECHANICAL)	VMKV Engineering College Salem	2005-2008.	72.50%
DPE	Thiyagarajar Polytechnic College Salem	2001-2004	82.50%

PERSONAL DETAILS

Full Name	Senthil kumar.M
Date of Birth	07-07-1986
Nationality	Indian
Highest Education Level	Post-Graduation Diploma
Mobile No	971- 529248482
Notice Period	30 days
Passport Number	S3646671
Date of Issue	31-01-2018
Date of Expire	30-01-2028

DECLARATION

I hereby declare that the above particulars given are true and faith to the best of my knowledge and belief.

Signature

Place: Abu Dhabi – UAE

(Senthil kumar)