**CURRICULUM VITAE**



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# CAREER OBJECTIVE:

Want to involve myself in a challenging environment offering scope for Growth & Development and an opportunity to apply my learning to effectively contribute towards the achievement of the organizational objective.

# WORK EXPERIENCE:

Designation : Control Room Operating engineer

# Company : Valuthur Gas Turbine Power Station(VGTPS),Ramnad, India.

Period : July 2016 to Till Now

# PROFESSIONAL EXPERIENCE:

**110KV SWITCH YARD:**

* 11/110KV Switch Yard operation.
* 4 Generation Breakers and 5 Outgoing Feeders.

# While working in Water Treatment Plant (VGTPS):

* Understanding the Requirement Specifications of **RO and DM plant**.
* Controls Treatment Plant machines and equipment to purify and clarify water for human consumption and for industrial use.
* Operates and controls electric motors, pumps, and valves through SCADA to regulate flow of raw water into treating plant.
* Involved in back wash and regeneration of filters and ion exchangers.
* Proper maintenance of daily and monthly reports.

# While working in Power Station(VGTPS):

* Monitoring the entire operation of **92.2-MW Combined Cycle Gas Turbine** and its auxiliaries through Distributed Control System (DCS)
* Operation of **58.5 MW V64.3a Ansaldo EnergiaGas Turbine** andits auxiliaries.
* Monitoring of **Alstom Heat Recovery Steam Generator(HRSG)** and its auxiliaries.
* Operation of **33.7 MW Qingdo Jieneng Steam Turbine** and its auxiliaries.
* Operation and control of Instrument air / Process air (**IA/PA**) compressor.
* Operation and control of 2.5 MW Gas Boost Compressor **(GBC)**
* Air Cooled Condenser fans **(ACC)**& Air Cooled Heat Exchanger (**ACHE**) fans control and operation through DCS.
* Enormous knowledge of the operation of high-pressure boilers and related mechanical equipment.
* Strong ability to work with high voltage equipments (such as racking out of HT and LT breakers) for making proper electrical isolation.
* Having experience in online water wash and offline water wash.
* Daily and Monthly report submittal.
* Having knowledge in **HVAC** works like **A.H.U, Package Units & DX Split Units**

# GAS TURBINE:

* Make : ANSALDO ENERGIA.
* Model Numb : V64.3A.
* Lube Oil System : MOP, AOP, LOP, EOP.
* Static Frequency Converter.
* Hydraulic Supply Pump.
* Pneumatic Compressor.
* IA/PA Compressor.

# Heat Recovery Steam Generator (HRSG)

* Make : ALSTOM.
* Type : Horizontal, Unfired Finned tube, Triple Pressure.
* Circulation : Natural.
* Boiler Capacity in Kg/s (HP, IP, LP) : 26.67 Kg/s, 3.11Kg/s, 1.53Kg/s.
* Steam Temperature (HP, IP, LP) : 542 C, 260 C, 200 C
* Steam Flow in TPH (HP, IP, LP) : 96 TPH, 11.2 TPH, 5.5 TPH.
* HP, IP/LP Boiler Feed Pumps.
* Maintaining the Deaerator Level.
* Maintaining the HP, IP, LP Drum Level -Operation through DCS.

# STEAM TURBINE:

* Make : QINGDO JIENENG.
* Mode : BBN32.4-103/27/5.5.
* Rated Power : 32.4 MW.
* Pressure in Kg/cm (HP, IP, LP) : 103 Kg/s, 27 Kg/s, 5.5 Kg/s
* Temperature (HP, IP, LP) : 540 C, 258 C, 198 C.
* Lube Oil System : MOP, SOP, JOP, LOP, EOP.
* Gland Seal System.
* Air Cooled Condenser (ACC).
* Closed Cooling Water (CCW) System and Vacuum System.

# CONTROL MECHANISM:

* Gas Turbine : ABB-Symphony Harmony DCS, Power Generation Portal (PGP) Software
* Steam Turbine: Siemens-SPPAT1000 DCS.

# INTERNSHIP EXPERINCE:

* Designation : Junior Switch Yard Operator.

# Company : Substation at 230 KV/ 110 KV,Trichirapalli, India.

* Period : Nov 2015 to Feb 2016 (4 Month).

# ACADEMIC QUALIFICATION:

* Qualification : **B.E Electrical and Electronics Engineering**
* Year : 2012-2016
* College :Pavendar Bharathidasan College of Engineering and Technology,
* University : Anna University
* Location : Tiruchyrappalli, Tamilnadu.

# AREA OF EXPERTISE:

* Presented paper on “Induction Motor” in Inter College symposium.
* Presented Paper on “Micro Grid” in Inter College Symposium

# ACADEMIC PROJECT (UG) :

* PROJECT TOPIC : A ISOLATED FLYBACK DC-DC CONVERTER
* DURATION : 6 Months
* BRIEF DESCRIPTION **:** We designed a hardware that streamlines all sources present in an organization. We designed specifically for our college.

# INDUSTRIAL TRAINING (UG) :

* COMPANY NAME : Gas Turbine & Steam Power Plant (**VGTPS**).
* TRAINING : An overall study about the organization and current field transaction.
* DURATION : 1 month
* PLACE : Ramanathapuram.
* COMPANY NAME : Tamilnadu Electrical Board (**TNEB**)
* TRAINING : An overall study about the organization and field

. transaction & Transformer, maintenance and testing.

* DURATION : 1 months
* PLACE : Tiruchyrappalli.

**EDUCATIONAL QUALIFICATION:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| B.E (EEE) | Pavendar  Bharathidasan | 2012-2016 | Anna university | 61.3 % |
|  | College of Eng. and Technology |  |  |  |
| HSC | Syed Ammal Higher Secondary | 2011-2012 | State Board | 58.8 % |
|  | School |  |  |  |
| SSLC | Syed Ammal Higher Secondary | 2009-2010 | State Board | 75.6 % |
|  | School |  |  |  |

# AREA OF INTEREST :

* Generation and Automation
* Production / Maintenance Service

# COMPUTER PROFICENCY :

* OPERATING SYSTEMS KNOW :SCADA, Windows XP, 7, 8, 8.1
* APPLICATION SOFTWARE : MS Office ,C&C++

# PERSONAL DETAIL:

Father Name : Mohamed Ibrahim

Date of Birth : 22-01-1995

Sex : Male

Language : English,Tamil

Marital Status : Single

Permanent Address : 93,Pallivasal Street,

Thoruvalour-Post,

Ramanathapuram (DT), Tamilanadu, INDIA.

Passport Details

Passport No : **M6502127**

Date of Expiry : 18-02-2025

# DECLARATION:

I hereby declare that the information furnished above is correct and true to the best of my knowledge and belief.

Yours sincerely

# ABDUL RAHMAN M