

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 Energia Gas Turbine** and its 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, 3.11 Kg/s, 1.53 Kg/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.
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- COMPANY NAME : Tamilnadu Electrical Board (**TNEB**)
 - TRAINING : An overall study about the organization and field transaction & Transformer, maintenance and testing.
 - DURATION : 1 months
 - PLACE : Tiruchyrapalli.

EDUCATIONAL QUALIFICATION:

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

AREA OF INTEREST :

- Generation and Automation
- Production / Maintenance Service

COMPUTER PROFICIENCY :

- 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