



Curriculum Vitae

SUMIT SUPKAR

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Career Objective:

To acquire a challenging position to utilize knowledge, skills, work experience and enthusiasm to positively impact the corporate goals along with opportunities for career advancement.

Core Competency:	<ul style="list-style-type: none">• Good knowledge in operation of all type of fuel based AFBC & CFBC and WHRS Boilers.• Operation & Maintenance of Extraction cum condensing steam turbines including the utility services.• Knowledge in Boiler & Turbine interlock and protection system.• Start up, shut down and handling of emergency conditions.• Chemistry of boiler water, DM water and cooling water required for power plant.• Quality control of WTP by proper Chemical dosing system in power plant.• Calculation of boiler efficiency and evaporation ratio.• Preparation of MIS, DGR, DMR, Safety report.• Analytical and troubleshooting competencies.
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Present Employer : Thermax India Ltd. (Pune)

Company Name : Bengal Energy Limited

Designation : Deputy Manager (Operation 40MW)

Duration : Dec 2019 to till Now.

Detail of boiler & turbine- 49.5*4 tph Co-WHRB working pressure 70 kg/cm² and temp 485 Deg C. China make turbine with water cool condenser.

Present Employer : Thermax India Ltd. (Pune)

Company Name : J K Cement, Rajasthan

Designation : Shift Incharge (Operation & Maintenance in 25MW)

Duration : Nov 2016 to Nov 2019.

Detail of boiler & turbine- 110 tph CFBC working pressure 95 kg/cm² and temp 515 Deg C. HTC make turbine with Air cool condenser.

Previous Employer : Bhaskar Steel & Ferro Alloys Ltd, SRMB (Sundargarh - Odisha)

Designation : Shift Incharge (Operation in WHRB & AFBC at 12 MW CPP)

Duration : May 2014 to Oct 2016.

Detail of boiler & turbine- 22tph AFBC and 38tph WHRB, Triveni make turbine with water cool condenser. Working pressure 66 kg/cm² and temperature 485 Deg C.

Previous Employer : M/S S.R.Turbo Energy Pvt.Ltd. Ghaziabad

Designation : Desk Engineer (Operation & Maintenance in 3 MW CPP)

Duration : Sep 2012 – May 2014

Detail of boiler & turbine- 30tph AFBC & 25tph process FBC boiler and Triveni make turbine.

Working pressure 66kg/cm² and temperature 485 Deg C.

Job Profile:

- ✓ Experience in Engineering and Troubleshooting in Thermal Power Plant having a well balance blend of functional, technical expertise.
- ✓ Ensures smooth and efficient operation of power plant and utilities and uninterrupted supply of steam power and utility services of power plant.
- ✓ Ensure operation of plant within the limit of operating parameter.
- ✓ Ensure safe operation of plant in environment friendly manner & as per OHSAS 18001:2007 STD.
- ✓ Monitoring the Spare Management & Purchase related issues.
- ✓ Preparation of Shut Down/ Preventive Maintenance/ Modification work activities for better performance of the plant.
- ✓ Smooth operation of plant with maintains all parameter as desire valve.
- ✓ Managing the team of supervisors and operators (Desk and field).
- ✓ Instruction for all employee to safe operation and maintain safety
- ✓ Theoretical and analytical analysis of boiler parameter and efforts to improve and sustain the boiler efficiency.
- ✓ Calculation the plant performance parameters like PLF, PAF, Cooling tower performance and Heat Exchangers etc.

Job Responsibility:

- To look after the Boiler, Turbine and its auxiliaries in both condition (running and shut down).
- If found any abnormality in Boiler, Turbine and its auxiliary's area then mention and attempt the problem according to nature of work with the help of maintenance team.
- Maintenance of Boiler and Turbine equipment, Breakdown job, Routine checkup, Report writing, Monitoring Boiler and Turbine Parameters.
- Instruction to field operators for safe operation of power plant.
- Light-up of Boilers – CFBC, AFBC & WHR Boilers.
- Cold Start-up, Hot Start-up, Warm Start-up, Normal Operation, Emergency Handling, Planned shutdown of unit, Spray control, Drum control and change over BFP's, PRDS charging/ taking service, Taking ID Fan, FD Fan, PA Fan, SA Fan, RA Fan, MDC in service and maintain furnace draft.
- Theoretical & analytical analysis of Boiler parameters & efforts to improve & sustain the boiler efficiency.
- Rectifying the problems and knowing the Root Cause during the operation.
- Turbine Rolling
- Load control, Hot-well level maintains, De-aerator level maintains as well as blend functional knowledge in field operation of Boiler and Turbine.

Educational Credential:

- **B-Tech:** Electronics Engineer Institute of engineering and technology, Bhagwant University, Ajmer (Raj.) with 65%.
- **Diploma:** Mechanical Engineering from Integrated management & technology business school, Bhopal.

- **Senior Secondary:** From katrash college katrasgarh (JAC, Ranchi) with 52 % in 2008.
- **Secondary:** From GNM high school, katrasgarh (JAC, Ranchi) with 68 % in 2006.

Achievements:

- Running of AFBC Boiler in Char+Coal feeding with ratio of 90:10.
- Maintain SO_x, NO_x and SPM to desire value.
- Technical discussion on controlling differential expansion of turbine during cold started up goes to higher value.
- APC control in plant.
- E-clap for minimum SFC.
- Improve HP heater performance.
- Leakage of APH tube arrest work.

Industrial Training:

- **Company** : **SAIL, Bokaro (Jharkhand.)**
- **Project** : To study about Power Electronics & Instrumentation.
- **Company** : **Usha Martine, Ranchi**
- **Project** : To study about Induction motor.

Skills and strengths:

- Initiative & interest in learning new things.
- Analytical skills & organizing capability
- Planning & Coordination skills
- Cost consciousness
- Computer Skill MS Office, ERP
- Good listener and leadership skills.

Personal Details:

Father's Name : Shri Shiv Ram supkar
 Date of Birth : 16th Oct 1991
 Sex : Male
 Marital Status : Unmarried
 Nationality : Indian
 Permanent Address : Sowardih, Malkera, Dist- Dhanbad (Jharkhand), 828304

Declaration:

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

Place: Kharagpur (WB)

Sumit Supkar