

## RESUME

**S BHARATHI VASU**

13, Shanthi nagar,Kovaipudur  
Coimbatore, Tamil Nadu,

E-Mail: bharathivasu.2019@gmail.com

Phone no: +91 9952863070  
+91 6380785682

**A POWER PLANT PROFESSIONAL LOOKING FORWARD TO A BETTER OPPORTUNITY**

### **SYNOPSIS/SUMMARY**

I am a thermal power plant operation engineer with about **16 years and 6 months of experience in operation and maintenance**. Strong knowledge over the captive power plants up to 45mw and promised for efficient and safe operation and maintenance, **Skilled in DCS desk operation and handled 15 members team in shifts, Strong knowledge in AFBC and WHRB boilers and its regular and shut down maintenance**. Successful participation in the commissioning of 1\*15 mw cpp.I holds an Engineering Diploma in electrical and electronics and completed one year NPTI training course at Nagpur.

### **KEY SKILLS & DELIVERABLES**

- Identifying problems very before by close monitoring skill to achieve 100% power availability as a target.
- Reasoning knowledge in communicating and analyzing the troubles and take action.
- Expertise in **DCS desk operation** with **SIEMENS, YOGOGAWA, FLSMITH and SCADA** systems.
- Good in efficient **utilizing of manpower for delivering optimum & safe results**.
- Language fluency in Hindi and English.
- **Strong Believe in Hard work**

### **ORGANIZATION EXPERIENCE DETAILS**

Assistant manager-CCR operation

m/s ACC cements limited

(JUL 2003- SEP 2015)

WORK AREA	RESPONSIBILITY/EXPERIENCES
OPERATION	<ul style="list-style-type: none"><li>• To give uninterrupted power supply to cement plant, promised with following skills</li><li>• Skilled in monitoring and controlling the <b>DCS desk operation of 1*15 MW BHEL</b> make condensed extraction Turbine with <b>SIEMENS,YOGOGAWA</b> dcs operation.</li><li>• DCS desk operation of <b>2*40 TPH AFBC type BHEL and CVPL make boilers</b>.</li><li>• Enthusiasm and strive in achieving Best operating parameters for optimum HEAT RATE, AUX CONSUMPTION and also for minimizing the cost of Generation.</li><li>• Knowledge and experienced in control over the <b>EMERGENCIES</b> and successful Handling.</li><li>• Achieved minimum auxiliary power consumption by using EMS (energy management system).</li><li>• Handled Field operation, Steam line up and boiler light up.</li></ul>
MAINTENANCE	<ul style="list-style-type: none"><li>• Handled Boiler's shut down maintenance jobs.</li><li>• Carried Regular Furnace inside inspection over refractory, PA coal nozzle, and air nozzle.</li><li>• Bed evaporator coil, super heater coil, economizer tubes thickness measurement.</li><li>• Handled Bed coil and super heater tubes replacement jobs.</li></ul>
RECORDS	<ul style="list-style-type: none"><li>• Analyzing the BOILER and STG parameter's log book to identify the deviations and make corrective actions.</li><li>• Making records of EMS every hour values for to achieve best operating conditions.</li><li>• Making records on safety observation tour per week.</li><li>• 5S implementation work through the engagement in area ownership.</li></ul>

WORK AREA	RESPONSIBILITY/EXPERIENCES
OPERATION	<ul style="list-style-type: none"> <li>Promised for Reliable and smooth operation of <b>1*27 mw Shin Nippon Machinery's condensing extraction turbine, 1*18 MW SIEMENS make condensing extraction turbine.</b></li> <li>Handled and responsible for routine activities of <b>CVPL make 1*125, 1*85 TPH AFBC</b> Boilers for the smooth operation.</li> <li>Handled the Project of Reducing Auxiliary Power consumption and achieved 1% Reduction in <b>1*27 MW</b> Unit at <b>M/S Dalmia cements</b>, Dalmiapuram, Trichy.</li> <li>Emergency handling of the plant If possible run the STG in low load possibility to avoid tripping with knowledge of <b>FL SMITH DCS</b> system.</li> <li>Carryout the Root-cause analysis for breakdown and deviations. When frequency of bed drain shows the iron and foreign particles Presence and we make precaution &amp; ensure like fresh bed material adding, make drain lines clear and possibility to change fuel to avoid clinker formation.</li> </ul>
MAINTENANCE	<ul style="list-style-type: none"> <li>Planning and executed the Bed evaporator and super heater coil replacement jobs.</li> <li>Supervised the APH tube bank replacement job.</li> <li>Handled ECO to APH flue gas path duct modification. Achieved 200 rpm reduction in ID fan speed.</li> <li>Shut down Inspection for identifying the condition of Refractories, Bed coil, super heater and Economizer Tubes thickness measuring and make records.</li> </ul>
RECORDS	<ul style="list-style-type: none"> <li>Monitoring the Check list of all areas, completion and follow ups.</li> <li>Maintaining all operators log books and critical view on that.</li> <li>Every shift pep talk before starting the job and keep records maintained.</li> <li>Safety observation audit for every week by individually and keep records.</li> <li>Took ownership of area and implementing 5S standards and maintained records.</li> </ul>

#### DCS BOILER AND TURBINE OPERATOR-15 mw CPP

Cheyar co-operative sugar mills (o&m)-Cethar energy limited

(Nov 2019- Feb 2020)

##### **RESPONSIBILITIES**

- Responsible for **1\*15mw TRIVENI make turbine** to give uninterrupted power supply to grid so as to make sufficient steam supply to sugar process plant continuously.
- Smooth operation of **1\*80 TPh Travelling grate WALCHENNAGAR make boiler** through **SIEMENS T 3000DCS**.
- Burning as much as possible main fuel Bagasse by synchronizing Grate speed, fuel flow and required secondary and primary air to get optimum bagasse combustion efficiency.
- Reduction in usage of alternate fuel (coal) due to its higher cost.

( Feb 2020 – till date)

#### SHIFT INCHARGE-operation OF 12MW CPP (WHRB & Afbc boilers)

Pushpit(pulkit group) steel industries limited –Andhra Pradesh

##### **RESPONSIBILITIES**

- Responsible for **1\*12 MW TPPS make STG and M/S Triveni make turbine** for **4\*10 TPH** Waste heat recovery water tube boilers of m/s VEESONS utilizing the heat from **4\*100 TPD DRI(sponge iron)** kilns.
- Also responsible for smooth operation of **1\*27.5 TPH m/s VEESONS make AFBC boiler** for utilizing maximum possible Dolachar from kilns which has a GCV of 2900 kcal/kg.

## TRAININGS

- Completed the 01 Year training course on “**Thermal Power Plant Operation and Maintenance**” including simulator training of **210 MW TG and PF boiler** from NPTI, Nagpur in 2002-03.
- 03 months Training on “**solar PV installer**” course by Govt.of INDIA.Completed from NERD Coimbatore 2018.

## PROJECTS

- 1\*15 mw power plant** commissioning. Job includes direct involvement in **2\*40 TPH AFBC boilers** Alkali blow out to steam blowing at ACC cements ,chaibasa, Jharkhand.

## EDUCATION

QUALIFICATION	COLEDGE/SCHOOL	BOARD	PERIOD		MARKS OBTAINED
			From	To	
Diploma in Electrical and Electronics engineering	Karpagam polytechnic Coimbatore tamil nadu	State board of Technical education And training, TAMIL NADU	1998	2001	61%
SSLC	R K Sree rangammal HS School, Coimbatore	Authority of the Government of TAMIL NADU.	1997	1998	74%

## PERSONAL DOSSIER

DATE OF BIRTH	05.05.1983
AGE	37
SEX	MALE
NOTICE PERIOD	30 days
LANGUAGES KNOWN	<b>TAMIL, HINDI and ENGLISH</b>
LAST SALARY DRAWN	RS.4,00,000 ( FOUR LAKHS PER ANNUM)
MARITAL STATUS	MARRIED
LINKEDIN	<a href="https://www.linkedin.com/in/s-bharathi-vasu-50357332/">https://www.linkedin.com/in/s-bharathi-vasu-50357332/</a>

