**ABHISHEK THAKUR**

**Permanent address**: 3H-D Block, Triveni Apartment, shristinagar, Asansol, WB

**Present address** : Khambarkhera, Sharda nagar , Lakhimpur Kheri- 261560 , U.P

**Contact:** +91-9778298550

**Email:** abthakur1988@gmail.com

# PROFESSIONAL EXPERIENCE Total Experience: 8 Years (Operation)

1. **Company Profile: Bajaj Energy Ltd, Location: Khamberkhera, UP ( April 2021 – Present)**

Independent Coal Based Thermal Power Plant – 2430 MW (5 X 90 MW +3 \* 660 MW) as Senior Operation Engineer.

**Area of Work:**

Boiler Maker: thyssenkrupp/ 2\* 190 TPH Compact CFBC/ Rated steam pressure: 105 kg/cm2/ Temperature: 545 +/- 5 deg C

Boiler Type: CFBC subcritical, single drum, water tube, membrane wall, natural circulation top supported balanced draft boiler.

Turbine: SIEMENS.

Turbine type: Single casing reverse steam flow inner casing condensing turbine.

DCS: Foxview

1. **Company Profile: Angul Energy LTD, Location: Angul, Odisha ( Subsidiary of TATA STEEL BSL LTD). (Aug 2015 –**

**April 2021)**

Captive Coal Based Thermal Power Plant - 465MW (2X150 MW +165 MW) as Boiler and Turbine Desk Operation

Engineer.

**Area of Work:**

Boiler Maker: ISGEC/ 2\* 425 TPH Compact CFBC/ Rated steam pressure: 105 kg/cm2/ Temperature: 545 +/- 5 deg C Boiler Type: CFBC Compact separator design, single drum, water tube, membrane wall, natural circulation top supported balanced draft boiler.

Turbine: SIEMENS.

Turbine type: Single casing reverse steam flow inner casing condensing turbine. DCS: Honeywell



**Job Responsibility:**

* To ensure the reliable Operation of the unit by managing the control desk as per safe operating procedure and operational requirement.
* To ensure availability of major standby equipment by following proper trail schedule.
* To ensure safe start up and shut down of boiler and turbine following operational procedure.
* Handling Emergency plant operations including such as black outs, tripping, Island mode etc.
* Monitoring the efficiency,Heat rate, Specific steam consumption and coal and Ash analysis and act accordingly.
* To achieve the set performance parameters targets for the plant.
* Daily analysis of dm water report and swas report and take action accordingly.
* Preparation of daily report containing total power generation, Auxiliary power consumption,Specific steam consumption and dm water generation and consumption.
* Maintaining defect records,Event register and preventative maintenance records for smooth operation of plant.  Regular monitoring of Sox,Nox and spm of the boiler.
* Responsible for effectively carrying out hydro test of boiler.

Commissioning activities of 425 TPH IJT BOILER and 165 MW Siemens turbine successfully completed:

* Commissioning activities of boiler includes typical commissioning schedule, hydraulic test and wet preservation, air and gas tightness test, trial run of equipment, electronic precipitators, fuel oil system, preparation for first light up, alkali boil – out, acid cleaning and passivation, thermal flow test of economizer, water walls, and superheater, valves, steam boiling, safety valve setting, and soot blowers.
* Gained a thorough understanding of all the commissioning procedures and instructions for turbine and auxiliaries including acid cleaning of oil pipelines, lubrication and governing system (oil flushing and hydraulic testing), jacking oil system, governing system, regenerative system, barring gear, vacuum tightness test, first rolling of turbine and data logging.

**3.) Company Profile: Simhapuri Energy Limited, Location: Nellore, AP ( April 2013 – Aug 2015)**

Independent Coal Based Thermal Power Plant – 600 MW (4X150 MW) as Engineer ( Operation)

**Area of work:**

Boiler maker: Wuxi Huaguang Boilers Co Ltd/ Rated boiler pressure: 137 kg/cm2/ Rated steam flow: 487 tph

Boiler Type: Super high pressure with intermediate re-heat, single Drum Natural circulation, CFBC

Turbine: Harbin Turbine Company Ltd Turbine Type: Super high pressure, two casing, reheating, Tandem compound, double flow condensing turbine.

**Job Responsibility:**

* Responsible for boiler and turbine operation,both cold and hot start up of Cfbc ,rolling of turbine up to synchronization and achieve daily target generation.
* Generation of load according to generation schedule and as per frequency charts.
* Ensuring availability of critical equipment by taking trail as per schedule.
* Maintaining shift log book records,dm plant report,shift generation report and 24 hrs report.
* Emergency handling like trippings,load through off and black outs.
* To ensure availability of coal in the bunker.
* Responsible for field operation carrying out pre commissioning and commissioning activities of CFBC from pre commissioning checks to steam blow out. Carrying out refractory dry out,hydro test of each line, Alkali blow out , steam blowing and safety valve pop ups.
* **Successfully completed commissioning of UNIT - III of 150 MW unit.**



EDUCATIONAL CREDENTIALS

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| --- | --- | --- | --- |
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| **Degree** | **Passing Year** | **Name of Institute** | **Marks Obtained** |
| POST GRADUATE DIPLOMA – Power Plant Engineering | 2012 | Central Board of Irrigation and Power, Institute under Ministry of power, New Delhi | 71.00 % |
| B. Tech-  Instrumentation  Engineering | 2010 | Bengal College of Engineering and Technology, Durgapur | 79.80 % |
| Class XII | 2006 | Guru Teg Bahadur Public School , Durgapur | 79.80 % |
| Class X | 2004 | Guru Teg Bahadur Public School , Durgapur | 73.80 % |

# CERTIFICATION

* Completed Simulator training from West Bengal Power Development Corporation Limited (Govt. of WB) for 2 week duration
* Scheme Tracing and Rotational on Job training from NTPC Badarpur,210 MW for 2 month
* Rotational on Job Maintenance training from Pragati Power and IPGCL combined gas cycle power plant (330 MW

and 135 MW),GOVT. of Delhi for 2 weeks

**COMPUTER PROFICIENCY**

PLC, DCS, MS Office & Internet Applications



**Languages Known:** English, Hindi, and Bengali

**Notice Period: 2 Month**

**Current CTC: 6.5 Lacs**

**Expected CTC: Negotiable**

**I hereby declare that the all information furnished above is true to the best of my knowledge**.

Yours Faithfully

**ABHISHEK THAKUR 09/06/2021**