**CHANKI BHARDWAJ**

**Mechanical Engineer, BOE.**

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VPO-Ujoli, Tehsil-Kotkasim,

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**CAREER OBJECTIVE**

**Seeking innovative & challenging careers in a reputed Organization so that my potential will get positive approach with the high degree of responsibility and opportunity where I can enhance my skill & knowledge as well as to continue towards growth of the organization.**

**ORGANISATIONAL EXPERIENCE**

**11.5 yrs. experience in operation and maintenance of coal based power plant and WHRS.**

**KEY AREA:**

* Preventive maintenance of all auxiliaries.
* Planning & Scheduling of Shutdown Job activity.
* Shutdown and Breakdown Maintenance of boiler pressure parts.
* Facilitating external Turbine maintenance team.
* Monitoring and study to reduce energy in fan and pumps.
* Taken project to reduction in auxiliary power in BFP, CEP, CT Fan, and ACC. Fans.
* Taken project to reduction in heat rate.
* Boilers erection and commissioning.
* Statuary compliances of power plant.
* Experience of working in SAP PP module.
* Maintaining of ISO Documentation and safety standards.
* Maintain and revise the various standard operating procedure (SOPs) and SWPs.
* A competent professional with experience in Project Engineering & Management, Operations & Maintenance, Erection & Commissioning, Commercial Operations and Resource Management of thermal power plant

**Present Employer: M/s Ultratech Cement Limited (ABG), Maihar, Madhya pradesh.**

**Dec 2020 TO Till Date**

**Plant Detail:**

I am working as Assistant manager looking after Operation of 35 MW generation thermal power plant and erection & commissioning of 16 MW WHRS.

* Erection and commissioning of Thermax make WHRS boilers and 16 MW steam turbine.
* 2X70 TPH Coal fired 78 ata pressure and 500°C temperature CVL make AFBC boiler.
* 2x17.5MW extractions cum condensing Steam Turbine supplied by BHEL and Shin Nippon.
* Auxiliaries like BFP, Cooling Water System, PRDS, Dearator, HP Heater, Air compressor etc. controlled through DCS (ABB Make).

**KEY SKILS & JOB RESPONSIBILTY**

* Safe-Start up, Shut down & Synchronization of unit.
* Take care of efficient operation of unit in Islanding & emergency condition with Cement plant.
* Try to minimize power, water & coal consumption.
* Job follow-up to concern maintenance person.
* Take care & make decision during emergency with team.
* Take care of preventive & break down maintenance as per schedule & requirement.
* Material indent as per requirement.
* Planning of reduction in APC and Heat rate discuss with OEM.
* Planning of uninterrupted power supply to Cement Plant.
* Planning of fuel rolling plan as per power cost and budget.
* Prepare data and planning of various Audits for external auditor.

**Previous Employer:** **M/s Ultratech Cement Limited (ABG), Kovaya, Gujarat**

**Oct 2018 TO Dec 2021**

**Plant Detail:**

I am working as Senior Engineer looking after Operation of 92 MW generation thermal power plant and commissioning of 11.75 MW WHRS.

* Erection and commissioning of Thermax make 2x34 TPH boilers and 11.75 MW Siemens make steam turbine.
* 4X115 TPH Coal fired 96 ata pressure and 545°C temperature Dongfing, China make CFBC boiler.
* 4x23 MW extractions cum condensing Steam Turbine supplied by HTC, China.
* Auxiliaries like BFP, Cooling Water System, PRDS, Dearator, HP Heater, Air compressor etc. controlled through DCS (ABB Make).

**Previous Employer: M/s Ultratech Cement Limited (ABG), Kotputli, Rajasthan.**

**Nov 2014 – Oct 2018**

**Plant Detail:**

I was working as Shift Incharge looking after Operation of 46 MW generation thermal power plants.

* 2X102 TPH Coal fired 96 ata pressure and 540°C temperature Thermax make IR-CFBC boiler.
* 2x23 MW extractions cum condensing Steam Turbine supplied by HTC China.
* Auxiliaries like BFP, Cooling Water System, PRDS, Deaerator, HP Heater, Air compressor etc. controlled through DCS (ABB Make).

**Previous Employer: 1. M/s Ultratech Cement Limited (ABG), Chittorgarh, Rajasthan**

**June 2011 – Nov 2014.**

**Plant Detail:**

I was working as Shift Engineer looking after Operation of 89 MW generation thermal power plants.

* Worked as Shift Engineer looking after Operation and Maintenance of 2\*25 & 1\*23 MW Coal based captive power plant.
* Boilers- 102 TPH AFBC, BHEL and 2\*115 TPH CFBC, Thyssen Krupp.
* Turbine- 23 & 2\*25 MW capacities, HTC China.
* 16 MW WHRB Boiler-CVPL and Turbine QJPS, China.

**Previous Employer: 1. M/s Shree Cement Limited, Beawar, Rajasthan**

**Sept 2009 – June 2011.**

**Plant Detail:**

I was working as Shift Incharge looking after Operation of 493 MW generation thermal power plants.

* Started as a project engineer and after erection and commissioning of 2\*150 MW plant.
* Boilers- 4\*85 TPH AFBC, 3\*85 TPH CFBC - CVPL make.
* Turbine- 2\*50, 4\*18 MW capacities, QJPS China.
* 12&9 MW WHRB Boiler-CVPL and Turbine QJPS, China.

**Project Engineering & Management**

* Planning and monitoring execution of power projects.
* Monitoring and Controlling projects with respect to Cost, Resource Deployment, Time over-runs and Quality Compliance; evaluating project progress & taking adequate corrective actions
* Involved in prepared the tender documents & floating the tender & bid evaluation & technical meeting with Consultant & different vender. Reviewing tender, Engineering & Drawings for upcoming 2\*50 MW TPP and WHRS Project.
* Responsible for site mobilization & site coordination with management, contractors & different vendors. Correspondence with consultant and contractor for 2\*50 MW TPP and WHRS.
* Review of drawings and coordinating for changes to be incorporated, which was submitted for approval. Review the sizing calculation of all kind of equipment.

**Erection activity:**

* Planning and erection schedule of monthly/weekly/daily Erection/Welding of Boiler supporting structures, ESP, Pressure parts, power cycle piping, duct, and 6to8mm. Coal system, piping, APH, SA, PA and ID Fan as per Schedule.
* Management of Machines, Manpower, and Resources involved in project execution.
* Monitoring of Project Erection of Boiler steel structure, pressure part and Auxiliaries (economizer system, etc.) and Steam piping successfully completed steam blowing as per schedule.
* Monitoring of incoming erection material movement as per plan.
* Hydro test of pressure parts and Commissioning Assistance of Boiler.
* QA/QC-Maintain all Erection and Alignment protocols of Boiler systems and related documents.
* Measurement certifications of sub-agencies monthly Running Bills.

**Commissioning activity / Maintenance:**

* Working as operation engineer (Plant startup & shutdown) for Preventive maintenance to run the plant smoothly and maintain relevant records.
* Resource planning for contractor manpower on day to day basis for smooth operation of power plant.
* Coordination with section in charge of other departments for trouble free operation of the plant and to maintain records and prepare MIS, daily / monthly operation reports.
* Equipment health monitoring and tracking the performance testing as per schedule.
* Extending support for performance testing, report preparation, analysis and suggesting corrective measures for the optimum plant performance.
* Maintenance of feed pump, CEP pump, CW pumps, Boiler Pressure Parts and all plants axillaries equipment’s.
* To ensure safe work practices & safety of persons within the area under control to prevent injury, ill health & accident.

**Commercial Operations**

* Preparing and recommending the procurement plans / bidding strategies to best suit the overall project plan; assembling the virtual bid team.
* Managing the bidding process from floating of bids to awarding of contracts; coordinating with bidders with regard to negotiations for technical & commercial competencies.

**Highlights:**

* Inspection of all equipment’s at various vendor shops.
* Materials management, which involves material Planning, scheduling, storing required for execution of the above job.
* Played an imperative role in developing ideal Inventory & Min. /Max. Inventory in Thermal Power Plant to ensure material availability well in time; planning & coordinating all Spare Parts for TPP.

**PROFESSIONAL QUALIFICATION & ACADEMIA**

* Certificate of Proficiency of First Class Boiler Operation Engineer from Board of Haryana Govt.
* Pursing BE (Mechanical) from The institution of Engineers (India).
* Diploma (Mechanical) from G.P.C Barmer, BTER Jodhpur in the year 2009.
* Secondary from Board of Secondary Education, Rajasthan in the year 2006.

**PERSONAL DETAILS**

# Father’s Name : Late Shri Sita Ram Sharma Date of Birth : 2nd July. 1989

# Nationality : Indian Gender : Male

# Marital Status : Married Languages : Hindi, English

**OTHER SKILLS**

* MS-Office, Advance Excel, Windows, Language- C, SAP

**DECLARATION**

I hereby declare that all the details furnished above are true & correct to the best of my knowledge and belief. .

**CHANKI BHARDWAJ**