**BALAMURUGAN K **

**Qualification: BE- Mechanical & BOE**

(**Experience:** **16 Years** in **Power Plant-**Boiler, Turbine, Balance Of Plant-**BOP** and **Plant Utilities** Project Management/ **Engineering, Erection & Commissioning, Operation & Maintenance**)

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Namakkal-637401, Tamilnadu, India.     **Mail Id:**[winpusbal@gmail.com](mailto:winpusbal@gmail.com)

**Objective:**

Seeking an Opportunity in your Great Organization, to join a Team of proficient management and Offers a challenging obligation for Organizational Escalation with Career Advancement.

**Core qualification:**

* **BOE (Boiler Operation Engineer Certificate)-** Tamilnadu/India Government Certified.
* **EA-Energy Auditor Certificate** Exam/Course in progress.
* **Project Management/ Engineering, EHS.**
* **Power plant, Plant Utilities - Erection & Commissioning, Operation & Maintenance, PG Test.**
* **Super/Sub Critical Boiler, AFBC, CFBC, WHRB, Oil fired Bi-drum Auxiliary Boiler, Turbine & Generator (BTG).**
* **BOP-** Transfer Yard, Switch Gear and MCC Room, Electrical BOP, Instrument BOP, PLC & DCS, Raw Water Intake System, DM plant, ETP& STP, Fire Fighting System, Compressor House, CWP House, Cooling Towers, DMCW, Fuel Oil Handling System, Coal /Peat Handling System, Ash Handling Systems.
* **Plant Utilities-** ETP& STP, Fire Fighting System, Compressor House, CWP House, Cooling Towers, HVAC, Split AC, Chiller, DG Set, Portable Water & Service Water, Utilities Piping.
* Demonstrated Organizational/Planning skills, Team player.
* Common Software application knowledge –MS office, Primavera, SAP.
* Excellent analytical and methodical skills, Problem-solving and analysis skills.
* Adaptability, Ability to travel

**Responsibilities:**

**Project Management / Engineering:**

Preparing technical specification, making purchase requisition, conducting vendor meetings and finalising the all Packages with acceptance of all concerned departments.

* **Power Plant-**Boiler, Turbine, Balance Of Plant-**BOP** and **Plant Utilities**
* Organization Chart Preparation
* Project Schedule Preparation-L1/L2/L3, Micro Level Schedule, Action plan for Milestones.
* Customer inputs/Meetings/Approvals, Project management
* Pre Commissioning/Commissioning procedures preparation (Hydro test, De-greasing, Chemical cleaning, Rotary equipment’s commissioning, Fuel oil system commissioning, Burner interlock test, Steam blowing, Reheater & Super heater Safety valve settings, Soot blower commissioning, Coal feeder & Pulveriser commissioning, Mill load up, Runback test, Fast cut back, APC tuning, Reliability test & PG test, Turbine Systems-Condensate system, Feed Water System, Lube oil system, MSL & APRDS system, Ejector &Gland steam system, Turbine & Generator system, BOP Systems-Raw water intake system, P TP & WTP, ETP & STP, FOPH,PHP,AHP, Plant Utilities-Compressor, HVAC, EOT, Hoist, Weigh Bridge, Service & Portable Water, Workshop, Store, etc.)
* Utility requirement (DM water, Chemicals Consumption, Cooling water, CCCW, Lubricants & Fuel-Diesel oil & Coal/Peat/Bio Mass for commissioning and O&M, Waste Disposal)
* O&M Manual & Plant Handbook preparation,
* Preparation and Purchasing of Spares list, Tools & tackles list
* Simulator Trainer for client engineers
* Customer training module and Class room & On Job Trainings.

**Erection & Commissioning:**

Evaluation of Packages Technical, Erection & Commissioning, Operation documents, making schedule, conducting **Contractor/Vendor meetings** for control and monitoring the progress for **Erection** completion, Making Plan for commissioning of the Unit, **ECC**, Safety Rules Clearance Certificate (**SRCC**), Hazard Identification and Risk Assessment (**HIRA**), Job Safety Analysis (**JSA**), Pre Job Briefing (**PJB**), **HSE**, **Commissioning** and **O&M** till the Handover of the Boiler, Turbine & Generator (**BTG**) ,**BOP** and Plant **Utilities**.

**Operation & Maintenance:**

Operating the systems within a designed range, Monitoring the system healthiness, Shift reports, Daily reports, Weekly reports, Monthly reports, Preventive Maintenance, Planned shutdown jobs, Annual shutdown jobs, Breakdown jobs.

* Responsible for the safe, efficient, cost effective, reliable maintenance of the Boiler, Turbine Auxiliaries, BOP and Plant Utilities.
* Extensive maintenance experience in the rotary and pressure parts of Boiler, Turbine & Auxiliaries, BOP and Plant Utilities with knowledge of the technical, commercial, and contractual.
* Spare parts planning and enquiry with vendors, inventory control and planning for annual overhauling/capital overhauling, renovation and modernization works.
* Execution of reliability centred maintenance practices and administration of maintenance management system.
* Variety of administrative duties as well as responsible for EHS and other relevant compliances.
* Providing budget forecasts including Capex budgets, formulating strategy and cost minimization.
* Assisting Maintenance Manager/Head in Outage planning and management and contractor quality control issues.
* Working hand in hand with the staff, motivating & engaging people at their best performance levels and to create a highly positive culture within the plant.
* Safe execution of annual, medium and major overhauling of Boiler, Turbine and auxiliaries.
* Implementation of asset management standards.

**Packages:**

**BTG-Boiler, Turbine, Generator Packages:** (BHEL, L&T-MHI Boiler & Turbine, Hitachi, Alstom, Harbin Boiler & Turbine, Andritz, Cethar-CVL, Thermax, Siemens, TDPS)

* **Boiler** & Its Mountings and Auxiliaries (Fans- (ID, FD, PA, RCF), Blowers, APH, BCP, Soot Blowers, Safety Valves, Coal Feeders & Mills), ESP/Bag Filter, Reactor/FGD.
* LDO & HFO systems & Burners.
* Boiler air leak test, Air flow test, ESP Air load test, Boiler chemical Cleaning-Alkali/ Acid Cleaning & Passivation.
* Boiler Cold, Warm & Hot Start-ups, DCS operations.
* BLU, Steam blowing, Boiler load up, Combustion tuning, PG test.
* **Turbine**, CST, Condenser, CEP system, CPU system with Regeneration system, Ejector/Vacuum System, DMCW/CCCW & CW/OCCW systems.
* MDBFP & TDBFP, Deaerator & Feed water system, LP & HP Heaters, HP & LP bypass systems, Drain and Vent System.
* TG Lube oil & Seal oil system, Jacking oil system, Oil Centrifuge.
* Generator H2/Co2 gas systems, Stator cooling water systems.
* Deaerator, Sampling systems, LP & HP piping with supports.

**BOP Packages:** (LNT, Siemens, Yokogawa, Honeywell, ABB,ELGI, AquaTech, Eureka Forbes, BGRE, Bharpur, Xylems, Andritz)

* Transfer Yard, Switch Gear and MCC Room, Electrical BOP, Instrument BOP, PLC & DCS,
* Compressor House-Instrument Air with Dryer & Service Air, Raw Water Intake System, DM plant, ETP&STP, Sludge Centrifuge / Oil Waste Disposal System.
* Fire Fighting System-Water Sprinkler/Foam/Extinguisher, CWP house, Cooling Towers, ACW.
* Fuel Oil Handling System, Coal /Peat Handling System, Ash Handling Systems.

**Plant Utilities:**( Logoman Energy, Sterling Generators,Kirloskar, Eureka Forbes,LG,Blue Star, Johnson Controls, HBD/ Naffco, Sterling & Wilson)

* HVAC, Split AC, Chiller, DG Set, ETP& STP.
* Portable Water & Service Water, Utilities Piping.

**List of Trainings undergone:**

* Simulator Training at PMI, Pulveriser Training at PMI, Noida & NTPC, Dadri.
* Primavera Training at LMB, Faridabad.
* On Job Training at MHI-Paiton Energy, Indonesia.

**Other activities:**

* Pre-Bid evaluations, Faculty assistance to Power Training Institute.
* Purchasing/Ordering of Commissioning and O&M spares, Leading a Team of Commissioning and O&M members to prove and operate the rated performance of the plant within the schedule with safety, reliability, good PLF.

**Professional Experience:**

* @**Shapoorji Pallonji Company Private Limited (SPCPL), Mumbai**.March 2019 to Current

**Senior Manager/ Commissioning Head:** Power Plant Commissioning and O&M Management

**SPCPL** is an EPC Leading EPC Company and Executing the YUMN Power Project Phase-I, 2\*35 MW Peat Fired Thermal power plant in Gisagara,Rwanda. BTG Make: Andritz & Siemens.

* @**L&T-S&L Limited,** Vadodara.April 2018 to March 2019

**Manager:** Boiler& Turbine Commissioning and O&M Management

L&T-S&L is an EPC Consultant Company and Commissioned OPGC- Phase-II, 2\*660 MW Super critical Pulverized Coal fired Thermal power plant in Jharsuguda,Odisha, India. BTG Make: BHEL, Trichy.

* @**BGR Energy Systems Limited,** Chennai.December 2015 to March2018

**Manager:**Boiler Commissioning and O&M Management

BGRESL is an EPC company and Completed Boiler commissioning of 2\*660 MW Super critical coal fired thermal power plant in NTPC-Solapur, MH, India. Boiler Make: Hitachi, Germany.

* @**Coastal Energen Private Limited,** Tuticorin,Tamilnadu.December 2012 to Nov 2015

**Deputy Manager:**BTG - Project Management and O&M

Coastal Energen Pvt Ltd, the Power Generating Flagship Company of the Coal and Oil Group, is commissioned and operating a 2\*600 MW coal fired thermal power plant in the district of Tuticorin in the State of Tamilnadu, India.BTG Make: Harbin Engineering, China.

* @**L&T-MHI Boilers Private Limited,** Delhi.June 2010 to November 2012

**Assistant Manager:** Auxiliaries Engineering /Project Management/Commissioning Management

A leading first Indian Super Critical Boiler manufacturer with a license from 660 MW to 1000 MW and an EPC contractor of Super/Mega Thermal Power Project and Completed Boiler commissioning of 2\*700 MW, Nabha Power Ltd., Rajpura, Punjab. Manufacturer: L&T-MHI Boilers Private Limited.

* @**M/S Cethar Vessels Limited, Trichy**, Tamilnadu.May 2005 to May 2010

**Engineer:** Boiler Commissioning and O&M Management

A leading AFBC, CFBC, WHRB, Travelling grate Boiler manufacturer and an EPC contractor of Thermal Power Project.

**List of Power plant/Plant Utilities Commissioned and O&M:**

|  |  |
| --- | --- |
| **Project name** | **Description** |
| **1**.YUMN Power Project Phase-I,Rwanda. | 2\*35 MW Peat Fired Thermal Power Plant |
| **2.** OPGC- Phase II, Jharsuguda,Odisha. | 2\*660 MW Super critical Thermal Power Plant |
| **3.** NTPC-Solapur, MH. | 2\*660 MW Super critical Thermal Power Plant |
| **4.** Coastal Energen Private Limited, Tuticorin,TN. | 2\*600 MW Sub critical Thermal Power Plant |
| **5.** Nabha Power Ltd., Rajpura, Punjab. | 2\*700 MW Super critical Thermal Power Plant |
| **6.** M/s Dalmia cements india ltd. Tamilnadu. | 125 TPH-AFBC,86 KG/CM^2,520°C |
| **7.** M/s Birla corporation ltd. M.P. (EPC) | 2\*65 TPH-AFBC, 66 KG/CM^2,490°C, ESP, AHS |
| **8.**  M/s Euro ceramics (p) ltd. Gujarat. | 45 TPH-AFBC,66 KG/CM^2,485°C |
| **9.**  M/s Salasar sponge iron (p) ltd.,Raigarh, C.G. | 1\*55 TPH-AFBC,66 KG/CM^2,485°C |
| **10.**  M/s Indpower (p) ltd., Raigarh,  C.G. | 45 TPH-AFBC,66 KG/CM^2,485°C,ESP. |
| **11.**M/s Abhijeet (p) ltd. ,Raipur,C.G. | 45 TPH-AFBC,66 KG/CM^2,485°C. |
| **12.**M/s MSP (P) ltd., Raigarh,  C.G. | 55 TPH-AFBC,66 KG/CM^2,485°C. |
| **13.**M/s Singhal enterprises (p) ltd., Raigarh, C.G. | 45 TPH-AFBC,66 KG/CM^2,485°C. |
| **14.**M/s Vandhana global (p) ltd., Raipur,C.G. | 90 TPH-AFBC,66 KG/CM^2,485°C. |
| **15.**M/s Top worth steels  (p) ltd., Durg,C.G. | 1\*45 TPH-AFBC,66 KG/CM^2,485°C |
| **16.**M/s ABC Paper ltd., Chandigarh, PJB. | 1\*60 TPH1 -AFBC,66 KG/CM^2,490°C. |
| **17.**M/s Bindal Paper ltd., Muzaffarnagar, UP. | 1\*100 TPH-AFBC(Sporger) ,66 KG/CM^2,485°C |
| **18**.M/s. Aryan Coal Benefication Ltd | 2\*425 TPH CFBC ,540°C. |

**List of Boilers PG test conducted:**

|  |  |  |  |
| --- | --- | --- | --- |
| Sr.no | Project name | Description | Remarks |
| 1. | M/s Indpower (p) ltd., C.G. | 45 TPH-AFBC,66 KG/CM^2,485°C | Eff: 84.3% |
| 2. | M/s Nalwa steels ltd.,  C.G. | 90 TPH-AFBC,66 KG/CM^2,485°C. | Eff: 84.6% |
| 3. | M/s Sudha agro (p) ltd.,C.G. | 55 TPH-AFBC,66 KG/CM^2,485°C. | Eff: 84.4% |

**Other Activities:** Safety valves / Valves servicing, Servicing of Boilers, Turbine and Plant Utilities.

**Education Records: School Record:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Course Name | Institution | Board | Year of Passing | Percentage (%) |
| X Std | Government Higher Secondary School | State Board | 1999 | 81 |
| XII Std | Government Higher Secondary School | State Board | 2001 | 85 |

**College Record:**

|  |  |
| --- | --- |
| Institution | Government College of Technology, Coimbatore-Anna University |
| Course & Discipline | Bachelor of Engineering – Mechanical Engineering |
| Year of passing | 2005 |
| Aggregate & Grade | 71 % - First class |

**Certificate Record:**

|  |  |
| --- | --- |
| Issuing Authority | Director of Boilers, Tamilnadu. |
| Certificate name | **Boiler Operation Engineer (BOE),** |

**Other Skills:** MS-Office, Primavera, AUTOCAD, FOXPRO 2.5

**Personal details:**

|  |  |
| --- | --- |
| Date of Birth & Gender | 08/06/1983 & Male |
| Nationality & Language proficiency | Indian & Tamil (Mother Tongue), English ,Hindi |
| Strengths | Punctuality, Gregarious, Obey |
| **Passport details:** | P6015615:Coimbatore-India, Expiry date :22-01-2027 |

**Current CTC: 6000 USD/Month Expected CTC: Negotiable Notice Period: 1~3months**

**(1USD~ Rs.73)**

I hereby declare, that all the details and particulars furnished above are correct to my knowledge.

BALAMURUGAN.K