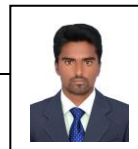


BALAGOKULAN . R

E-mail: bala.gokulan@gmail.com

Mobile: +91 - 9629871101



MECHANICAL ENGINEER

Enterprising leader & planner with a strong record of contributions in streamlining engineering operations, invigorating businesses, heightening productivity, systems & procedures, targeting assignments in:

Mechanical Engineering / Energy & Power / Erection & Commissioning

Industry Preference: Power (Solar PV, Gas & Thermal)

PROFILE SUMMARY

Multi-facted professional with over 4 years of experience in:

~Operation & Maintenance

~Contract Management

~Project Management

~Quality & Inspection

~Mechanical Engineering

~Team Management

- Gained experience in steering operations involving development, Mechanical engineering & project management
- Receiving approvals for prototype, new proposals making modifications & releasing for commercial implementation
- Supervising project activities and managing the complete project management cycle entailing requirement gathering and final execution of projects
- Finalizing requirements and specifications in consultation with engineering consultants/collaborators, external suppliers, & clients
- Controlling the project cost within the budget and monitoring of cash flow – cost control. Sending project progress report to customers
- Managed project coordination, contracts drafting and basic design engineering of power plants
- Excellent interpersonal, communication and organisational skills in team management and planning

ORGANISATIONAL EXPERIENCE

Since Mar'16 Siemens Gamesa Renewable Energy (Formerly Gamesa Renewable Pvt. Ltd.), Chennai as Project Engineer (Erection & Commissioning)

Key Result Areas:

- Erection including Structure Mounting, Solar PV Module Installation & Alignment.
- Erection of Mechanical actuators for Sun trackers.
- Pile Column Post Alignment & Pile foundation works.
- Schedule preparation, Site Execution Planning for Pile Concreting, Column Post Erection.
- Incoming Materials Quality Inspection & Submission of reports.
- Inverter room & Control Buildings Civil Constructions.
- Erection of Electrical Equipment such as HT Panels, LT Panels, Transformers, etc.
- Steering service management in various areas like design reviewing, Project management, lead auditing, internal auditing, third party inspection.
- Providing professional solutions to the engineering problems and troubles.
- Conducting Safety & Quality inspection of every activity.
- Monitoring & guiding the execution team to provide good quality in their activities.
- Administering the project development for formulating the quality proposals and presentations.
- DC works include Earthing, AJB, Cable laying & Cable termination.
- AC works includes Earthing, Cable laying & Termination, Switch Yard erection (11 kv, 33 kv, 66 kv).
- Erection of Bay Extension & Transmission Line (33 kv, 66 kv)
- Planning, allocation and distribution of Resources and materials to contractors.
- Preparation of daily, weekly, monthly plan and completing it on time frame.
- Preparation of daily & weekly reports, checklist and co-ordination with execution and quality to clear the checklist.
- Preparation and certification of Supply & Client Material Reconciliations.
- Erection of Module Cleaning Sysytem & RO softeners Plant.

Current Project:

Site Name: 100 MW Neyveli Lignite Corporation India Pvt Ltd (NLCIL) Solar Plant,

Location: Kayathar (Nov'17-Present)

Highlights:

- Attained the complete indigenous development and commercialization of 5 Projects (45 Mw) in Solar Renewable Energy.
- Ensured complete in-process quality control and continuous improvement in solar energy capabilities, foreseeing performance bottlenecks and taking corrective measures to avoid the same.

May'13-Feb'16**Valuthur Gas Turbine Power Station., Ramanathapuram as Operations Engineer – (O&M)****Roles & Responsibilities:**

Experience in field of Commissioning of Gas turbine and Steam turbine during the shutdown project at Valuthur Gas Turbine Power Station from the period of November 2014 – January 2015

- Monitoring the entire operation of 2 × 92.2 mw Combined Cycle Power Plant (CCPP) and its Auxiliaries through Distributed Control System (DCS).
- Operation of 2 × 58.5 mw Ansaldo Energia Gas Turbine and its auxiliaries.
- Monitoring of High Pressure Boilers & Alstom Heat Recovery Steam Generator (HRSG) and its auxiliaries.
- Operation of 2 × 33.7 mw Qingdo Jieneng Steam Turbine and its auxiliaries.
- Operation and control of Starting Frequency Converter (SFC), Instrument Air / Process Air Compressor (IA/PA) and Gas Booster Compressor (GBC), Inlet Guide Vane (IGV).
- Air Cooled Condenser fans (ACC) & Air Cooled Heat exchanger (ACHE) fans control and operation through DCS.
- Unit startup and shut down activities through DCS.
- Control the Lube Oil System and its auxiliaries through DCS.
- Enormous knowledge of the operation of high-pressure boilers and related mechanical equipment such as Vacuum Pumps, Closed Circuit Cooling Water Systems (CCCW).
- Have knowledge in 1010 KVA Diesel Generators, A/C Compressors, Air handling units, Chillers , HT Panels, SF6 Circuit Breakers, 415 v/11 kv /110 Kv Transformers, Isolators, etc
- Understanding the Requirement Specifications of RO and DM plant.
- Controls Treatment Plant machines and equipment to purify and clarify water for human consumption and for industrial use.
- Operates and controls electric motors, pumps, and valves by using DCS - SCADA to regulate flow of raw water into treating plant.
- Monitors panel board through SCADA and adjusts controls to regulate flow rates, loss of head pressure and water elevation, and distribution of water.
- Involved in back wash and regeneration of filters and ion exchangers.
- Submittal daily Generation Reports.

Control Mechanism:

- **Gas Turbine** : ABB - Symphony Harmony DCS, Power Generation Portal (PGP)
- **Steam Turbine** : Siemens - SPPAT1000 DCS.

ACADEMIC DETAILS

2013 – Bachelor in Mechanical Engineering from S.Veerassamy Chettiar College of Engineering & Technology - Anna University, Tirunelveli.

ADDITIONAL SKILLS

- NDT Level II – ASNT Non-Destructive Testing.
- Auto CAD, Pro-E.
- Microsoft Office, Photoshop.

Date of Birth: 19th October 1992

Permanent Address: 3/3452-5, Ramnagar, Ramanathapuram Dist, Tamil Nadu - 623 503

Passport Number: L4157563 Valid up to 13/10/2023

Languages Known: English, Tamil & Hindi