VOOSA LAKSHMAN

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**SYNOPSIS**

A skilled and dedicated professional**,** with expertise industry experience in **Combined Cycle Power Plant Operations.** Expertise in Gas Turbines and Steam Turbines Operations.

* Offering **15** years of experience in the areas of Combined Cycle Power Plant Operations and Team Management; currently associated with **Bahrain Gas and petroleum company (BAPCO)** Bahrain**.**
* Offering nearly **14** years of experience in **GE 9FA, 9E**, 6F and Frame V Gas Turbines and **Mark VIe** and **Mark V** control systems.
* Offering nearly **1** year of experience as **Plant Manager.**
* Offering nearly **8** years of experience as **Plant Shift Manager.**
* Experienced in managing operations of equipment, thereby reducing downtime and enhancing operational effectiveness of equipment; skills in taking initiatives for reduction in costs by minimizing breakdown and improving productivity by technology management.
* Proficiency in documentation of reports and standard operations procedures for Plant operations.
* Actively involved in all the phases of Power plant installing & commissioning and customer-site startup of plant. Gained knowledge thorough understanding of operational process of organizations.
* Comfortable with exploring/learning new technologies, ability to multi-task ,work under pressure
* Excellent communication skills, analysis and troubleshooting, presentation and interpersonal skills.

**ACHIEVEMENTS**

* STG TG operation failure during black out condition was rectified by suggesting N2 system.
* 1.2 MW auxiliary power consumption reduced by suggesting modification in Gas pipeline.
* Lead role In HRSG and STG commissioning.
* Process modifications suggested in BOP.
* Trained about 20 members of operations team for HRSG and STG operations.
* Lead the O&M team for 1 year successfully.

**PROCESS ENHANCEMENT**

* Taking stringent quality measures including preparation of necessary documents to ensure compliance with customer requirements.
* Identifying scope for Planning / implementing technological changes to enhance Efficiency and PLF of the plant.
* Modifications in equipment, process flow, working practices, consumables, energy conservation, etc. for reducing HEAT RATE of the plant.

**TEAM MANAGEMENT**

* Leading, mentoring & monitoring the performance of the team members to ensure efficiency in plant operations and meeting of individual & group targets.
* Creating and sustaining a dynamic environment that fosters development opportunities and motivates high performance amongst team members.

**KNOWLEDGE PURVIEW**

* Generation Reports and O&M reports
* Heat rate and Efficiency calculations
* 220 KV switch yard and GIS, HV systems like 11 KV and 6.6 KV line and bus operations
* STG, GT and HRSG commissioning
* Turbine Control & Trip Logics
* Mix Fuel Operations
* Plant P&ID ‘s
* Combined Cycle Power Plant Operations
* Safety
* PTW
* Handling emergencies in plant

**RESPONSIBILITIES**

* Monitoring of Plant performances and resources arrangements.
* Shut down, start up and outages planning.
* Coordination with Operations and Maintenance departments
* Ensuring safe operation of the Plant and with Optimum Performance.
* 220 KV switch yard and GIS, HV systems like 11 KV and 6.6 KV line and bus operations.
* 220 KV switch yard and GIS, HV systems like 11 KV and 6.6 KV line and bus isolations, UPS and DC systems isolations and normalisation.
* Compliance to LDC instructions and gas contracts (avoiding penalties to the extent possible)
* Compliance to statutory regulations (air & liquid emissions…)
* Upkeep of PTW system as Authorised Person
* Report preparation – Generation, Fuel consumption, Incident
* Mentoring new entrants in the team
* Ensuring the team members use proper PPE
* Effective communication with outside agencies
* Maintaining Integrity in the team
* Proper event logging & Record keeping
* Communication to the management and role of Emergency controller in emergencies
* Minimising the Plant Startup times with proper planning.
* Optimisation of Plant Performance on day to day basis.
* Co-ordination with LDC for line outages
* Ensuring good Team work

**ORGANISATIONAL SCAN**

* **Since Dec 2019: BAPCO P&U department as Control Operator**

Gas Turbine: GE Frame 3 and 5

Boilers: 5 HP and 3 LP, Gas and Oil fired

Steam Turbines: 2\*GE 12 MW

* **Dec 17 to Dec 2019: Kushiara Power Company Ltd. 163 MW Combined Cycle Power Plant as Plant Manager**

Gas Turbine: Capacity – 120 MW, Make - GE and Type – Frame 9E with DLN 1.0

Steam Turbine: Capacity - 65 MW, Make - GE

* **Apr 11 to Dec 2017: Lanco kondapalli Power Pvt Ltd. 1450 MW Combined Cycle Power Plant as Plant Shift Manager**

Gas Turbine: Capacity - 2\*260 MW, Make - GE and Type – Frame 9FA with DLN 2.6

Steam Turbine: Capacity -2\* 120 MW, Make – Harbin

Gas Turbine: Capacity – 250 MW, Make - GE and Type – Frame 9FA with DLN 2.6

Steam Turbine: Capacity - 120 MW, Make –Harbin

Gas Turbine: Capacity - 2\*120 MW, Make - GE and Type – Frame 9E with water injection

Steam Turbine: Capacity - 128 MW, Make – ALSTOM

* **Apr 10-Apr 11: Konaseema Gas Power Ltd. 445 MW Combined Cycle Power Plant as Control Room Engineer**

Gas Turbine: Capacity - 2\*144.6 MW, Make - SIEMENS and Type – V 94.2

Steam Turbine: Capacity - 166 MW, Make - LMZ

* **Apr 09-Apr 10: OEG India Pvt. Ltd., Kakinada, A.P. – 36 MW Gas Turbine Power Plant as Shift in Charge**

Gas Turbine: Capacity – 36 MW, Make - GE\_BHEL, Type - Frame 6 and Control – MARK VI

Boiler: Capacity - 135 TPH and Pressure - 12 KG/CM2

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* **Aug 05-Apr 09: Global S.S constructions, 35 MW CCPP, ONGC, and Gujarat, as Shift in Charge**

Gas Turbine: Capacity - 22 MW, Make - GE\_BHEL, Type - Frame 5 and Control - Mark-V

Steam Turbine: Capacity - 12 MW, Make - BHEL, Pressure - 42 KG/CM2, Control – Woodward

**EDUCATIONAL CREDENTIALS**

2005 Bachelors in Technology - Electrical & Electronics from JNTU, Hyderabad. Secured 72.03%

2001 Higher Secondary Certificate from Intermediate Board, A.P. Secured 69.9%

1999 Senior Secondary Certificate from Harsha High School, A.P BOARD. Secured 60%

**PERSONAL DETAILS**

Date of Birth : 16th December, 1984

Permanent Address : D. No. 10-160/2, official colony konthamuru, Rajahmundry.

 533102, A.P.

Passport no : K7668154

Linguistic Abilities : English Hindi & Telugu.