



RAGAVENDIRAN V

Production - Oil & Gas / Chemical



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OBJECTIVE

An astute and task oriented professional with experience of 15 years in Chemical Production and Oil & Gas Processing looking to attain a challenging yet satisfying position in reputed organization where my experience and education will be employed in achieving organizational goal.



<https://ragavendiran.mystrikingly.com>



EDUCATION

B. Tech - Chemical Engineering

Anna University /
Pallavan College of Engineering.
2002 – 2006.

M.S - Industrial Engineering & Management

Annamalai University
2017-2019

Doctorate in Management Studies

Indian Institute of Business
Management & Studies
2019 – 2021

M.B.A - Production Management

National Institute of Business
Management
2013-2014

P.G. Diploma - Petroleum Exploration

Annamalai University
2015 – 2016

Master Diploma in Oil & Gas Safety

Safety Professionals (BSS)
2012 – 2013

SKILLS

- Production Management
- Quality Management.
- Audit (Internal / External).
- DCS / SCADA / PLC
- Team Management
- Resource Management
- Stakeholder Management.
- Contractor Performance Evaluation.
- Advanced Excel / VBA
- SAP / MS- Visio / Office 365 / Power BI
- Terminal Operations.
- Commissioning / Pre-commissioning.
- Technical Bid Evaluation.
- Six Sigma / Lean / OEE
- RA/HAZOP/HAZID

CERTIFICATIONS

Certified Quality Auditor for ISO

9001:2015 QMS from Asian Institute of quality Management.

Six Sigma and the Organization

(Advanced) Green Belt from University System of Georgia.

ISO 50001: Maximizing Your Energy Efficiency Through Proven Standards

from Energy University Schneider.

Excel/VBA for Creative Problem-

Solving Level 1,2 & 3 from University of Colorado.

Natural Gas from The State University of New York.

Chemical Safety in the Workplace –

Level 2 Certificate from Health and Safety Authority.

Enhanced Oil Recovery from NExT Schlumberger.

Yokogawa Centum VP from Yokogawa. Project Management Essentials - Manipal ProLearn.

Advance Excel & MS Office - College of Software Society.

PROFESSIONAL EXPERIENCE

CAIRN INDIA LIMITED



SENIOR ENGINEER -PRODUCTION

Feb 2014 – Present

RAJASTHAN

- Hands on experience on Distributed Control System (DCS) (Centum VP and CS 3000-Yokogawa) which includes day to day control room operations, correction of any process upset, track of alarms and immediate troubleshooting, taking smooth planned shutdown & start up, responding to plant trips and ensuring safe/smooth start up keeping production loss to minimum, keep less flaring as much as possible, maintaining daily production nominations, monitoring and operating individual equipment at optimum parameters, plan production, quick response to emergencies through panel operations etc.
- Make Daily Production Reports (DPR) and send it to corporate office & JV (ONGC) for approval.
- Have experience in Pigging of new and existing pipelines from well pads and to export pipe lines.
- Target to Maintain OEE of Equipments more than 95%.
- Supervision, monitors, controls the safe and efficient operations of Export Oil Tanks and continuously heated and insulated 680Km crude oil pipeline Barmer to Salaya pipeline (BSPL).
- Ensure that all applicable process related environmental regulations are followed. Complete compliance to HSE policies.
- Experience of working and documentation of ISO- 9001, ISO- 18001, EMS, IMS, Risk Assessment and Safe Work Practices as required.
- Operation of ESP and Jet pump assisted wells producing highly waxy crude with a 29 API density.
- Implemented 5S in control room and field and implemented revised procedure of LOTO in field.
- Preparation and analysis of Cause-and-Effect Matrix, Bow Tie Analysis, HAZID Studies.
- Emergency handling during F&G and ESD activation.
- Task Risk Assessment and Toolbox Talks. Assist the third- party team during various audits. Conduct RCA's (Root Cause Analysis) of various safety related issues and providing appropriate solutions.
- Carryout Technical bid evaluation for offering new contracts.
- Optimization of various chemicals as chemical injection is 10% of crude sales.
- Monthly and Yearly contractor performance evaluation and discussion with contractor representative.
- Experienced in Handling & Accounting of chemicals like H₂S scavenger, Corrosion inhibitor, Scale inhibitor, REB, Demulsifier and Biocides. Maintain chemical stock & quality and prepare documentations for audit by government bodies.
- Finalizing crude oil sales nomination based on tank stock and production in coordination with commercial team and customer.
- Experienced in Commissioning of crude oil storage terminal with 21 MBbls capacity.
- Responsible for prepare and verify Mid Night Reports, Permit to Work and Isolation and MOS Registers, Short Term Isolation Register, Long Term Isolations Register, Fire and Gas Override Check Lists.

TAMILNADU

As a Shift In charge

- Responsible for the production and product quality during shift.
- Led a group of 25 operators/technicians and instructing 6 engineers.
- Effective utilization of casual manpower for the plant. Planning and scheduling shutdowns and start-ups. Troubleshooting and emergency handling.
- Evaluating equipment efficiencies and monitoring plant performance. Critical evaluation of safety permits and ensuring that all safeguards are in place.
- Carrying out hazard analysis of class I safety permits. Responsible for the generation of weekly Preventive Maintenance job list and completing jobs with help of maintenance department.
- Coordinating with Maintenance Department Engineers (Mech, Elec & Inst) to complete Routine, Emergency and Preventive maintenance jobs.
- To aware workers about safety & hygienic conditions. Planning the maintenance according to production in time. Making shift production data, Equipment efficiency report and material balance.

As an Area & Panel Engineer

- Experience in Distributed control system (Emerson Delta V& Yokogawa CENTUM XL series DCS). Managing Central Control Room Operation during the shift. Resetting and Normalization of DCS Alarms.
- Vigilance over various operations for safety and ensure it as per SOP. Monitor DCS and PLC parameters Proper and Quick decision-making during Plant Emergencies and Trips. Trouble shooting in bottlenecking cases.
- Identifying production loss, energy loss, hazard and to take necessary corrective actions to minimize deviations. Carry out Plant/boilers safe startup/shutdown.

HYDROMET

SHIFT ENGINEER

Jun/2007 – Feb/2014

TAMILNADU

- Responsible for the shift production. Led a group of 7 operators, 25 contract workers.
- Running the plant with optimum efficiency and productivity on day-to-day basis.
- Optimum utilization of casual manpower. Responsible for the safety permit systems. Preparation of production plan to achieve production target.

MAJOR EQUIPMENT FUNCTIONATED

- Slug Cather 580Kpag / 67°C processing capacity of 170000 BFPD.
- Production Heater 67-79°C ΔP 48Kpag processing capacity of 100000 BFPD. Production Separators 360Kpag / 78°C processing capacity of 100000 BFPD.
- Settling Tanks 2Kpag processing capacity of 70000 BOPD.
- Produced water depurator system (IGF Device) 1097m³/hr. 165600 BFPD. Produced water transfer pump system 50-275Kpag ΔP 202Kpag Transfer capacity 18000 BOPD.
- Skim Oil transfer pump system ΔP 307Kpag Transfer capacity 12000 BOPD. Export oil settling and storage tank system 2.5Kpag / 78°C capacity 122340 Bpls.
- Export oil booster pump system ΔP 515Kpag Transfer capacity 58500 BOPD. Export oil Main pumps system 500- 7600Kpag ΔP 6838Kpag Transfer capacity 58500 BOPD.
- Custody Transfer Metering skid and proving system.
- Injection water booster pumps system 800Kpag Transfer capacity 50000 BWPD.
- Injection water HP Pump system 1000- 13000Kpag ΔP 12172Kpag. Transfer capacity 118000 BWPD.
- Power fluid HP Pump system 1000- 23000Kpag ΔP 20451Kpag Transfer capacity 81000 BWPD.
- HIPPS Package with SIL Rating 3. PIG Launching & receiving station.
- Reactors and crystallizers for Aluminum Tri-fluoride production.
- Belt filters, Cyclone separators and conveyors.
- Multistage compressors for Vapor recovery unit.
- Fixed roof tanks for crude oil storage with 290000 Bbl. (7 no).
- Floating roof tanks for LFO and Naphtha storage 295000 Bbl.
- Marine Tankers loading SPM with oil export capacity of 700000 BOPD.
- World's continuously heated pipeline ~680 km with 36 AGIs.

PROJECTS AND PAPERS

- Won First Place in National Level Technical presentation on the topic of ENERGY FROM WASTE OIL.
- First student presented from my college in National Level Paper in CSIR (CECRI).
- Implementation of M.B.Lal committee recommendations in Export oil tanks.
- Implementation of E-Log book for CCR and Field.
- Chemical Dosing Tracker using Historian.

STRENGTHS

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| • Self-starter | • Strategic Thinking |
| • IT Skills | • Leadership Skill |
| • Ability to manage multiple tasks. | • Adoptability |

PERSONAL VITAE

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|-----------------------------|--|
| • Nationality: Indian | • Present CTC: 15.2 LPA / 19.1 LPA (Including Bonus & Excluding Shares). |
| • Marital status: Married | • Passport No: M6232519 |
| • Date of Birth: 16/02/1985 | |
| • Notice Period: 60 days. | |