

VARUN KUMAR

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Sharjah, UAE

EXPERIENCE

09/2024 - Current

O & M Engineer

Corodex Industries | Sharjah, UAE

- **Operation & maintenance of MBBR** process also operation of multimedia filter, UF Filters, Reverse Osmosis and Sludge Dewatering Process like Centrifuges & Belt Press.
- **Operated and maintained RO plant systems**, including pre-treatment, RO membranes, and post-treatment processes, ensuring optimal performance and compliance with water quality standards.
- Monitored system parameters such as pressure, flow rates, and water quality, making real-time adjustments to maintain efficiency and address issues promptly.
- Developing and expanding the Sewerage Network for newly developed areas like technical feasibility studies, inspection, approval, and follow up.
- Performing breakdown maintenance and strategic planning for preventive maintenance of all sewage & sewerage units.

06/2018 - 09/2024

Assistant Engineer - Project and O&M of STP & ETP

IMDAAD LLC - ENVIRONMENT DEPARTMENT | Duabi, UAE

Projects execution, Installation and Commissioning

- DP World Container Terminal 3 sewage network & pumping 5 station 60 CMD each
- STP-6 5200 CMD, STP-4 3800 CMD, STP-02&033 1650 CMD, JAFZA One-STP 300 CMD, LIU 9 STP 75 CMD, Terminal-3 STP 100 CMD, DUCAMZ-STP100 CMD, JAFZA South-STP 750 CMD, DPR-STP 3000 CMD.
- JAFZA rainwater disaster management project.
- JAFZA Industrial wastewater treatment plant phase 1 300 CMD
- JAFZA Industrial wastewater treatment plant phase 2 300 CMD
- Raw sewage and TSE pumping station construction and execution in Dubai parks and resorts – Dubai Holding Project
- Contingency plan and Execution of Jumeirah Village circle STP pumping station malfunction
- New RO plant 1000 CMD in JAFZA planning, construction, installation and execution to treat STP TSE to polished TSE
- Groundwater Dewatering work in JAFZA and Techno park (NIP)
- New Grease trap construction in Taste studio catering JAFZA
- Storm water network jetting project in JAFZA
- Level sensor installation in all STP's lifting stations in JAFZ

Operation & Maintenance of STP & ETP

- Operation & maintenance of **SBR, MBR, MBBR, SAF, CMAS**, also operation of High-Rate Anaerobic Filter, Anaerobic Contact Process, and multimedia filter, UF Filters, Reverse Osmosis and Sludge Dewatering Process like Centrifuges & Belt Press.
- Managing, reviewing and monitoring the progress of sewage plant projects; accountable for the operation and maintenance of Sewerage Networks including



SUMMARY

To make up a carrier in Process field by continuous learning and to contribute towards organization goal in whichever position I hold and constantly strive to effectively accomplish work within postulated deadlines and targets, while maximizing output quality through detailed analysis and methods to improvement leading to the enhancement of organizational goals.

PERSONAL INFORMATION

- Date of birth: 02/11/1993
- Gender: Male
- Nationality: Indian
- Marital status: Single
- Driving Licence: Valid UAE Driving License (Manual Light Vehicle)

ENGINEERING COMPETENCIES

- Environmental Services
- Industrial Effluent treatment
- Irrigation Network
- Operation & Maintenance STP & IWWTP
- Operation & maintenance of RO Plants
- Sewage Pumping stations
- Sewerage Network
- Sewage Lifting Station Maintenance
- TSE Water Tank Maintenance
- EPR, EIA & EC reports
- Water & Waste Infrastructure
- Water & Waste Projects
- Oil & Grease trap cleaning work
- Sump pit tank cleaning work
- Planning, Coordination & Execution
- Manage Manpower

- Material Management
- Reports & Records

KEY CLIENTS

- Dubai Municipality (DM)
- EHS Trakhees
- DP World (DPW)
- Emaar
- Nakheel
- Dubai Holding (Dubai Parks & Resorts)
- Dubai Maritime City
- Sarjah International Airport Free Zone (SAIF Zone)

SOFTWARE SKILLS

- MS Office, MS Excel
- Maximo
- Oracle
- Basic AutoCAD
- Sahal
- HYSIS Simulation Tool

TRAINING

- Fire safety Fundamentals and Proper use of Fire extinguisher training (Level – 1) done by 'Euro Link Safety Institute'
- High field level -2 International Award in emergency first aid at work training done by 'Highfields international Accreditation'
- Internship Training Done at Mangalore Chemical and Fertilizer Limited (MCF) Mangalore, India

STRENGTH

- Creative
- Willing to learn new things

- Pumping Station, Manholes, Main Line, Service Connections and Disconnections.
- Developing and expanding the Sewerage Network for newly developed areas like technical feasibility studies, inspection, approval, and follow up.
 - Performing breakdown maintenance and strategic planning for preventive maintenance of all sewage & sewerage units.
 - Performed routine cleaning and maintenance of grease traps and interceptors to prevent blockages and ensure compliance with local regulations.
 - Managing and providing leadership in balance score card monitoring & control, KPI, CAPEX & Opex, material management, PR and GRN management.
 - Preparing, managing and controlling the budget,
 - P&L Management, Expenditure Manpower Planning, Appraisal & Recruitment along with HC.
 - Providing leadership in the preparation & evaluation of vendor quotes and subcontractor proposals.
 - Provides quality service by enforcing quality and customer service standards.
 - Hands-on technical experience in oil & Grease trap scheduling for cleaning, & maintenance and also installation of grease traps.
 - Technical experience for scheduling for sump pit tank, sewage lifting station & TSE water tank cleaning & maintenance.

08/2017 - 05/2018

Field Engineer – Production Plant
EPSILON CARBON PRIVATE LIMITED | Karnataka, India

- Manpower Handling
- Operation and safe handling of plant equipment's
- Inter departmental communication for smooth operation of plant (QA, QC, Maintenance, Stores and Safety)
- Reviewing the operational practices & identifying the areas of obstruction/ Quality Failure
- Shut down and Startup Maintenance to ensure the trouble free plant operation
- Qualitative improvement and Energy conservation

07/2016 - 07/2017

Graduate apprentice trainee (GAT) – ONGC Production Plant
MANGALORE REFINERY AND PETROCHEMICALS LTD | Karnataka, India

- To Analyze PFD and P&ID
- Familiar with pump, compressor efficiency and operation
- Start up and shutdown activity& Knowledge about DCS
- Design calculations of equipment's & Knowledge of MSDS

LANGUAGES

English:	C2	Hindi:	B2
Proficient		Upper Intermediate	
Kannada:	C2	Tulu:	C2
Proficient		Proficient	

EDUCATION

2015
Visvesvaraya Technological University | Karnataka
B.E.: Chemical Engineering

2012
Board of Technical Education Bangalore | Karnataka
Diploma: Chemical Engineering