**RESUME**



**ABUBACKAR,**

**WASTE WATER TREATMENT O&M/ PROCESS COMMISSIONING ENGINEER** Email ID : abubackar-397589@gulfjobseeker.com

**CAREER OBJECTIVE:**

Dynamic, qualified & experienced lead mechanical engineer with expertise in Waste water & Sewage Treatment plant projects execution, Installation, Commissioning, Operation and maintenance. Willing to take a responsible position in various types of STP/WWTP Plant projects and O&M, to make use of my experience and skills in a renowned organization.

**PROFESSIONAL SKILLS:**

* Mechanical commissioning experience with strong process knowledge , Project management on Waste water & Sewage Treatment Plants.
* Good technical writing skills for field observations and commissioning progress reports.
* Experience with testing, commissioning and startup of waste water treatment Process plant systems and equipments.
* Managing and Coordinating system investigating problems, diagnosing and repairing faults.
* Strong experiences in waste water & sewage treatment Plant process equipments Operation and Maintenance.

**WORK EXPERIENCE**

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| 1.Designation | : | **Mechanical Engineer (Waste water Treatment & STP)** |
| Duration | : | From April 2016 till May 2019. |

**Duties and Responsibilities:**

* Preparation of pre-Commissioning & commissioning procedure & OTP, Performance guarantee test run, Handing over procedure & Dossiers preparation.
* Prepare and follow the commissioning programme and execute the activities accordingly.
* Ensure that proper approved documents are in place prior to start of testing and commissioning activities.
* Interface with Client, Vendor, Sub-Contractor and site construction team.
* Managed office internal all discipline Pre-comm. & commissioning activities and documentations for verifying and execution on site as per original based schedules to achieve completion and handing over plan for operation.
* Carrying out the monitoring of project performance in line with commissioning activities.
* Preparing procedure for the operational test and performance guarantee test run , Commissioning of system etc.
* Coordinating with clients to witness the testing and evaluation of project.
* Carryout the review of HAZOP and implementation on site to carryout testing and commissioning.
* Responsible for all the activities pertaining to the pre-commissioning, mechanical completion, commissioning & start-up, normal operation and performance guarantee test run of plant and Plant Handing over.
* Performed P&ID & PFD review & updates, clarification on project specification based on Client/ Vendor requirements etc.
* Prepared daily progress report & reported to PM on day to day activities.
* Ensure process & performance of equipments' and plant operation as per design.
* Preparation of process description, control philosophy, Standard Operating Procedure and O&M Manuals and documentation of plant hand over.

**2. Designation** **: Operation & Maintenance supervisor (STP)**

**Company Name : IMDAAD LLC, Dubai.**

**Duration** **: From July 2013 to March 2016**

**Duties and Responsibilities:**

* Read and complying of SLA with Client & implement of activities to obtain maximum score of KPI
* Conducting site conditional survey & Analyzing of Process equipments working condition & Process parameters test results to assure its complying with required standard.
* Analyze the Root cause of issues such any process parameters deviation & carryout troubleshooting in order comply with required standard.
* Responsible to preparation of PPM program and follow up & monitoring and record.
* Regular site visit and supervise the operators & technicians about plant operations and maintenance.
* Preparing schedule for planned preventive maintenance (PPM) and plant operational trainings.
* Preparing checklist for equipment’s operation, process and maintenance works.
* Monitoring of day to day activities, Equipments operating Parameters, Sampling, Process parameters level & assured comply with its standard limits, and Energy consumption.
* Monitoring of PPM activities and Process equipments performance & its condition and carry out any required troubleshoot / repair work if required
* **Assuring of TSE quality by complying with Govt. Regulations such as Dubai Municipality irrigation standards , RSB (Abudhabi) Irrigation standards**
* **Assuring of TSE quality by regular Third party analyses test report & In-house test reports are complying with required standards.**
* Reviewing of tested parameters & troubleshooting the Process deviations if required
* Regularly Inspect Process equipments Condition, Performance analyses, Spare parts management & QAQC analyses
* Supervise and troubleshooting of plant process and operational deviations.
* **Conduct Third Party Air Quality Test, Preparing Quarterly Environmental Performance report (EPR) in order to submit Govt authorities.**
* Preparing technical reports such as “O&M monthly report, chemical consumption,

Consumption of raw materials for maintenance to analyses the cost efficiency.

* Preparing method statement, risk assessment for various reactive and breakdown maintenance works
* Preparing BOQ and Proposals for various required materials for plant operation and maintenance & Process equipments refurbishment works.
* Preparing and submission of technical proposals for various reactive maintenance/Refurbishment works to safe and standard operations.
* Providing toolbox talk, plant operation training and safety awareness.
* Attend client’s technical meetings weekly and understanding the ongoing issues & communicate.
* Prepare technical specification data sheets for the mechanical and plumping elements and coordinate with the procurement to receive on time and ensure the quality of equipments.
* Plan & Supervision for Equipments / Plant Refurbishment works.
* Prepare Operational and process parameters log sheets for plant operation, troubleshooting guide and equipments check list.
* Keep record of In-house test results, Third Party analyze reports, Equipment Performance reports, Incident Reports for future reference & auditing purposes.
* Strive to increase the profit of company by cost effective operation and maintenance by optimum utilization of manpower’s and consumables.

**3. Designation** **: Operation & Maintenance Coordinator (STP)**

**Company Name : Dubai Municipality (STP capacity 300,000 m3/day)**

**Duration** **: Sep 2010 to April 2013**

**Duties and Responsibilities:**

* Monitoring of STP Process equipments performance by **SCADA,** hourly logging the equipment Operating parameters readings plant Operational log sheet.
* Onsite checking of equipments working condition periodically, Day to Day communicate with O&M Engineer/Supervisor on his site inspection.
* Conduct Regular sampling of All STP chain Process equipments Raw water, Aeration Liquor, TSE, Thickened/centrifuged sludge cake
* Receive instruction from O&M Engineer as per result of analyze Reports , Carryout Troubleshooting of equipments to meets its quality & energy optimization.
* Developing, testing and make modifications to mechanical equipment.
* Prepare shutdown of equipments(LOTO) to carry out Preventive & Breakdown maintenance.
* Assist & carryout of mechanical maintenance works.
* Daily log of chemical inventory.
* Assisting field technicians with diagnostic checks and symptom analysis.
* Identifying malfunctions and then carrying out repairs.
* Assist to Repairing or replacing defective equipment parts.
* Supporting to Carrying out preventative maintenance.
* Wearing appropriate safety clothes in designated safety areas.
* Consulting with senior colleagues regarding technical issues.
* Prepare daily report to submit O&M supervisor for his review and record.
* Keeping the workplace & Process equipments in an organized and clean condition.
* Monitoring & Operating of process equipments by SCADA (YOGOKAWA)

**Familiar & Well experienced with**

* Selection and Hands on experiences of Installation & commissioning, Operation, Process Troubleshooting, Reactive maintenance and breakdown maintenance of STP process equipment’s.
* Experienced in various types of STP systems such as **conventional activated sludge** **biological treatment, Extended aeration biological treatment, SBR, MBR ( Hollow fiber & Flat sheet membrane), MBBR, Fixed bed Biological treatment (SAF)& RO plant.**
* Well versed with prepare/Reviewing of STP PFD,P&ID, process calculations, Equipments Selection, Installation and commissioning, Troubleshooting,operation & maintenance.
* Well Hand on experience with sludge dewatering equipments such as **Rotary Drum** **thickener, Gravity belt Thickener, Screw Press thickener, Belt Press thickener, Anaerobic digester, Centrifuge & thermal Dryer**,End suction centrifugal pumps, boosterpumps, submersible pumps, progressive cavity pumps, air Blowers, Floating Aerators, draft tube mixer, Odor control stations.
* **Well versed venders Process equipment’s of KSP, Flygt, Landia, Huber technologies, West falia Centrifuge , Andritz, Alfa laval, GE MBR**etc.
* **Dubai Municipality**- Conventional type activated sludge treatment plant- **300,000 m3/d**
* **Nakheel**- Badrah STP- 1000 m3/day MBR system (hollow fiber)
* **Emaar STP** at Springs Community - Extended aeration activated sludge treatment plant-5500 m3/d.

 **TDIC** - Tourism Development &Investment company, Saadiyaat Accommodationvillage,Abudhabi- Submerged Aerated filter Biological treatment (SAF)- 4500 m3/d

* Dubai Municipality, Jebal Ali FZ- MBR plant- 1000 m3/d.
* **JAFZA**- Extended aeration activated sludge treatment plant–6000 m3/d.
* **JAFZA**- Sequence batch biological treatment (SBR)- 4500 m3/d
* **Al Baraka Holding , Workers Village** - MBR ( GE Hollow fiber MBR) 2000 m3/day,Abudhabi.
* Dalma Mall , O&M of RO Plant , 450 m3/day for District cooling Plant.
* **Hirmas Real Estate , Dubai Industrial City -** MBR ( Flat sheet membrane) 3200 m3/day

**PROFESSIONAL QUALIFICATION**

**B.E (Mechanical Engineering)**

College University Duration Classification

: P.S.N.A College of Engineering & Technology.

: Anna University, India.

: 2006-2010

: First Class

**SOFTWARE SKILLS**

* Auto CAD
* MS office
* Maximo - CPPM software

**PERSONAL SKILLS**

* Comprehensive problem solving abilities.
* Strong technical & project management skills.
* Team management
* Strong Managerial skills

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| **PERSONAL DETAILS** |  |
| Gender | : Male |
| Date of birth | : 25-May-1989 |
| Marital status | : Married |
| Nationality | : Indian |
| Languages known | : English, Tamil, Hindi. |
| Visa status | : On Visit Visa |
| Driving license | : **Valid UAE D/L** |
| Current address | : Musaffah , Abudhabi |

**DECLARATION:**

I hereby assure you that all the above furnished details are true to the best of my knowledge. I assure that I will do my best towards the growth of the organization.

**Thank you.**

**Your’s faithfully,**

ABUBACKAR