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| **ATIQ UR REHMAN****CHEMICAL OPERATIONS ~ WATER TREATMENT ~ R.O. PLANT OPERATIONS** An achievement-driven professional targeting senior level assignments in **Water & Waste Water Management** **and Chemical Operations**  **engr.atiq1984@yahoo.com / rays2u@hotmail.com  0092-312-2212844/333-2715957** |
| knowledge24x24icons Profile Summary |
| * A goal-oriented professional with 11 years of experience in Water & Waste Water Management, Utility & Plant Operations
* Proven track of inspecting facilities, assessing and reporting on compliance to the environmental permits; preparing project safety plans, risk assessments, and emergency evacuation plans
* Experience in ensuring that the facility operation, maintenance and documentation comply with corporate, regulatory and environmental standards
* Excellent in auditing water & waste water treatment plants and laboratories; recommending solutions for deficiencies found and troubleshooting operational problems; examining water & waste water engineering plans for adequate treatment capabilities
* Excellent communication & interpersonal skills with strong analytical, team building, problem-solving and organizational capabilities
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| core24x24icons Core Competencies **R.O Plant Operations & MaintenanceWater & Waste Water Treatment** **Utility OperationsEnvironment & Safety Management Resource OptimizationLiaison & Coordination** **Process Improvement** **Quality Assurance & Control** **Team Building & Leadership** | edu24x24icons Academic Details * Bachelor of Chemical Technology from University of Karachi, Department of Chemical Engineering in 2006
* F.Sc. (Pre-Engineering) from Board of Intermediate, Karachi in 2000
* Matriculate (With Science) from board of secondary education 1997
* DAE in Mechanical Technology from Sind Board of Technical Education, Location from 2001

Workshop* Water Treatment Engineering conducted Collagen Middle East for 2 days.
* Safety Trainings arranged by Karachi Electric.

IT Skills* ERP, SAP-PM
* HYSYS, Pipe-Flo, GE-ROSA
* MS Office

exp24x24icons Organizational Experience***K-Electric Ltd., Karachi from Aug’15 – Present as Deputy Manager – Chemical Operations*****Key Result Areas:*** Heading the entire gamut of operations of water & waste water treatment plant, joint conveyance facilities and system maintenance
* Examining activities and recommending improvements; drafting reports for the senior management
* Developing cost estimates for the budget recommendations and coordinating for controlling expenditure
* Supervising the implementation of modern water & wastewater treatment principals, practices, methods, procedures, materials and equipment used in a full range of operations, maintenance and methods of precautions in storing
* Administering treated water production through Reverse Osmosis Water Purification Unit (ROWPU) and Nano Filtration
* Reviewing water & waste water microbial and physiochemical tests on daily basis and reporting to hierarchy
* Building long-term partnerships with suppliers; managing day-to-day supplier performance to ensure meeting of service, cost, delivery and quality norms
* Evaluating vendor performance to ensure adherence to predefined specifications and supply of quality material

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| softskills24x24icons Skill SetChange Agent Motivator Communicator Collaborator  |
| career24x24icons Career Timeline**Jan’07 – Dec’07*FRC – Petrochemical Pvt. Ltd., Karachi*****01’08 – 12’09*BalChem Tech Pvt. Ltd., Karachi*****01’10 – 02’13*Chemical Synergies Pvt. Ltd., Karachi*****Mar’13 – Aug’14*Sami Pharmaceuticals Pvt. Ltd., Karachi*****Aug’15 – Present*K-Electric Ltd., Karachi***Kalium, Dubai as Logistics & Supply Chain Consultant Kalium, Dubai as Logistics & Supply Chain Consultant  | * Budgeting and planning the funds for procurement and sourcing of materials ensuring optimum utilization of materials, maximum cost savings & meeting anticipatory orders for monthly operations

**Highlights:*** Implemented several measures to identify deformities or abnormalities like in cooling tower used isothiozolinone base non oxidizing biocide; replaced by amine base biocide for compliance of human safety as well as comparatively environmental friendly.
* KE (Karachi Electric) Combine Cycle Power Plant has Chiller cooling circuit which is cooled by SEA Water. KE faces some Sevier issues through sea water Snails eggs inter into the cooling circuit and deposit on the surface. After few days these snails eggs grew and converted into hard snail Shells which was chocking the cooling circuit and resulted plant to shut down.

Cover was opened by maintenance team and removed snail’s shells. Successfully selected amine base biocide chemical, and as a result Karachi Electric did not faced shutdowns since 2013 till to date.* KE (Karachi Electric) Combine Cycle Power Plant, during fish and other marine animals breading season sea water pits facing foam accumulation in high amount and this foam will comes out from the pits to plant operational area. After assigning this task I was starting R&D for resolving this issue.
* Pivotal in streamlining processes through measures such as HRSG DCS Operational inter logging between instrument and equipment for smooth and save operation.
* Purchased commodities, including HRSG equipment’s spare Parts (like Valves and Pipe Fitting, Instruments, Boiler tubes, Condenser Air Cooling bundles, Compressors Filters, Membrane’s and Cartridge filters, EDI Modules lab reagents, chemicals and quality measuring Instruments, enlisting and registration of suppliers and sub-contracts) and so on
* Identified potential cost savings; negotiated a new rebate structure which produced savings of EDI, Tube bundles , Valves , Control Valves 2 Lac US$, After successfully direct sourcing from O&M under good commercial terms and conditions.

***Project Handled:*** * **EPC Project Heat Recovery & Steam Generation:** Team member of 5.5 Million US$. DCS Operation base Plant, HRSG Plant include 64 Waste heat recovery boilers, 2 Steam turbines, 2 condensers and de-aerators, 6 air compressors , 2 R.O Plants.

 ***Sami Pharmaceuticals Pvt. Ltd., Karachi from Mar’13 – Aug’15 as Utility Engineer*****Highlights:*** Ensured proper functioning of Water Treatment Plants, Steam Distillation plants, Steam generators, Multimedia filters, cooling towers, Softener, boilers, nitrogen generators, air compressors and so on
* Drafted work orders and service orders; sourced and maintained contracts of vendors and suppliers
* Evaluated contractor performance and maintained vendor database

***Projects Handled:**** **Project WTP Plant:** Assisted as Lead Engineer with Chinese Engineers in the installation and commissioning of 7000 lit/hr. highly purified demineralized water, PLC base automatic plant
* **Project Distillation Plant:** Worked as Lead Engineer with Chinese Engineers in the installation and commissioning of distillation plant with capacity 2\*3900 Lit/hr. PLC base automatic plant
* **Project Purified Steam Generator:** Acted as Lead Engineer with local contractor in the installation and commissioning of Steam Generator Plant with capacity 20 kg/hr.
* **Project Multimedia Filtration Plant:** Worked with local engineering contractor in the designing, installation and commissioning of MMF.

***Chemical Synergies Pvt. Ltd., Karachi from 01’08-02’13 as Lead Engineer*****Growth Path:**01’12 – 02’13: Application Engineer01’10 – 02’11: QA/QC Engineer**Highlights:****As Application Engineer*** Analyzed Industrial Water, R.O Water, Waste Water and performed process chemical analysis
* Supervised on board laboratory activities and resolved issues like scaling, corrosion & erosion, deposition and so on
* Conducted analysis of water (DM, Raw, Boiler, Cooling , Closed Loop Engine Circuits & Effluent), steam and condensate
* Calibrate instruments like Photometer, pH- Meter, Conductivity & TDS Meters, and D.O Meter.
* Provide on field side water analysis, chemical dosing and its application
* Resolved trouble shooting in utility equipment’s regarding unavailability and high availability of chemical presences and its controlling.

**As QA/QC Engineer*** Generated new Products Formulation and new product range in the area of specialty chemicals
* Drafted proposals for the clients for developing business
* Reagents preparation for water testing
* Jar tests for waste water
* Developed new techniques and procedures for analysis
* Interfaced with Technical Sales Manager regarding the technical back up services to Sales Engineer and Customers
* Ensured smooth operations Quality System and operations related to ISO – 9001-2008 Quality Management System
* Led the maintenance of all literatures, COA, PDS and MSDS related with chemicals and formulated products
* Assisted in the procurement of instruments, process, commercial and fine chemicals, apparatus & glassware etc.
* Maintained sufficient stock of chemicals and apparatus necessary for test.

***Project Handled:**** **Desalination Plant for Byco Refinery II:** EPC of 2 Reverse Osmosis plant trains with each capacity 950 m3/hr. including SEA water intake screen, flocculation and coagulation tanks, Cartridge filters Housings and finally ACF & MMF.

***BalChem Tech Pvt. Ltd., Karachi from 01’08 – 12’09 as Production In-Charge*****Highlights:*** Examined and optimized physical and chemical processing unit
* Managed start-up and shutdown and performed troubleshooting
* Conducted tests and recorded data, performed statistical process control on process operations and wrote production logs
* Drafted operator procedures for normal operation start-up or shutdown of unit
* Attended safety audits and programs and provided emergency response when required

***FRC – Petrochemical Pvt. Ltd., Karachi from Jan’07 – Dec’07 as Field Support Engineer*****Highlights:*** Provided assistance on corrosion by monitoring and controlling on-site operations, inspecting the causes of corrosion and taking measures to remove the same by cathodic protection, coating and paint system
* Participated in business continuity planning and procurement development strategies

***Project Handled :*****Project Live Leakages Repairing Without Welding:** PSO oil storage terminal tanks facing leakages from pin holes due to pit corrosion; applied cold repairing solution for resolving this issue for the first time.  |
|  Personal Details**Date of Birth:** 26-09-1984 **Languages Known:** English , Urdu **Address:** 34/9 C – 1 Area Liaquatabad Karachi-Pakistan  |