CURRICULUM VITAE

**BADHUSHA**

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**EDUCATIONAL QUALIFICATION:**

* + **POST GRADUATE (1996-98) : M.Sc. Chemistry- Bharathidasan University, India.**
  + **GRADUATE (1993-96) : B.Sc. Chemistry- Bharathidasan University, India.**

**PROFESSIONAL EXPERIENCE:**

**Total year Experience : 17 years**

**Summary of Experience:**

* Significant experience with the production and Quality control of chilled water, RO water, sewage water, potable water, mineral water, DM water and soft drinks.
* Highly experience in plant operation related to chiller, RO plant, STP, DM, softner and coagulation.
* Managed Microbiological testing laboratory.
* Hands-on experience in Corrosion and scale protection.
* Sound knowledge in Industrial chemical cleaning.
* Experience in implmenting & following safety standards.
* Hands-on experience in SCADA system & its operation
* Well versed with soft drinks ( PEPSI ) preparation.

**WORK EXPERIENCE:**

* Company Name : **TABREED,**

**National Central Cooling Co, Dubai.**

Period : 12-10-2009 To till date

Job profile : **OPERATION INCHARGE**

* + Plant commissioning in centrifugal compressor ( York )
  + Operating the plant and controlling process parameters as per SOP and ISO 9001.
  + Responsible of safe start and shutdown of the plant.
  + Responsible of maintaining process parameters like temperature, pressure, flow, level and specifications.
  + Controlling and monitoring the various equipments of over all plants.
  + Responsible for safe and environmental operation.
  + Toxic chemicals storage and handling.
  + Troubleshooting and plant equipment performance test.
  + Responsible for project erection and commissioning.
  + Have experience in fire fighting and fire protection system ( handling FM 200 gas )
  + Preparation of maintenance planning schedule.
  + Experience in electrical 11 kv (DEWA), transformer, HVAC, ETS system.
  + Experience in SCADA system.
  + Reporting operation engineer, responsible for the sustenance and district cooling plants to excellent operating condition ( HVAC, Mechanical and Electrical system )
  + Leak testing, refrigerant recovery, refrigerant and oil charging.
  + Tube cleaning – mechanical, chemical cleaning and eddy current test checking.
  + Oil filter, oil reclaim filter, purge filter drier.
  + Oil and refrigerant sample analysis.
  + Responsible for the day to day operation of the plant.
  + Vibration and merger valve checked.
  + Maintaining the plant tidiness.
  + Planning and scheduling of cooling tower basin cleaning.
  + Planning and scheduling of all suction strainers of pumps.
  + Planning and scheduling of AHU, FCU filter cleaning.
  + Efficient usage and storage of water treatment chemicals at site.
  + Operates the SCADA and monitors the condition of all mechanical, electrical equipments and customer cooling.
  + Coordinating with the contractors ( SLGC, CIMAC, ELMECH, JCI, TOLEDO and COOLTECH )
  + Effective start up and shutdown of the plant equipment in accordance with the written the standard operating procedures and standard operating instruction.
  + Record and analysis the utility consumption to optimize the energy conservation.
  + Inform immediate superior regarding process deviation and abnormalities of the equipments in operations. Maintain the plants to ensure optimum reliability / availability in line with operational plants.
  + Generate and submit daily, weekly and monthly reports.
  + Train and develop staff in line with long term plans of the plants.
  + Ensure the safety standards.
* Company Name :  **King Khalid Military City**

Ministry of Defense & Aviation, Central plant,

Hafar AI Batin – 31991,**Saudi Arabia.**

Period **:** Seven Years and Three months,

From 29-10-2001 To 05-11-2008.

Job profile : CHEMICAL ENGINEER

(*I have worked as the in charge of all plant operation and general laboratories in world biggest plant which includes WTP, CHILLED WATER PLANT, STP)*

* Start and shutdown chiller,CHP,CNP,loop pump and CTF.
* All required paper work including daily,weekly and monthly operation reports.
* chiller operation.
  + - Water analysis and laboratory instruments.
    - Operation of chillers.
    - Corrosion and scale protection.
    - Industrial chemical cleaning.
    - Look after of chemical dosing equipments and proper procedure.
    - Preparing and Maintaining chemical handling procedures and safety guide lines.
    - Maintain chemical and Microbiological testing laboratory.
    - Operation of water treatment.
    - Maintain daily, weekly, monthly and yearly procedure.
    - Control chemical stocks and reports.
    - Do Water analysis and prepare daily reports.

INSTRUMENTS HANDLED

* + - Corrosion meter
    - Turbidity meter
    - DO meter

* Company Name : **PEPSI soft drinks,**

M/s J.M.Botling (p)Ltd, Chennai, **India.**

Period : Three years and three months

From 01-06-1998 to 20-09-2001.

Job profile : Quality Control CHEMIST

Water Treatment

* D.M.plant, Coagulation, Reverse Osmosis & Softener (water analysis and operations).
* Experienced in mineral water quality control (As per statutory requirement and local laws).
* Control the Quality of Bottled water through routine chemical and microbiological inspection of raw water and finished product.

Syrup preparation

* Operation sanitation and process checks (Brix check & Flavors addition.)

On line process

* Bottle washer checks & sanitation,Flow mix operation and sanitation ( Brix,CO2,TA & Caustic strength).
* Performing & controlling in-process inspection.
* Maintaining Hygiene.
* Maintaining & following PEPSI and Ensures sanitation schdules are maintained.

Micro biological analysis(As per PEPSI micro program)

* Maintain Microbiological testing laboratory.

Daily production

* Supervision of production.
* Product monitoring.
* Supervision of all production staff.

Report making

* Maintain daily, weekly, monthly & yearly report.

Raw material analysis

* Performing raw materials inspection.
* Caustic soda, sodium hypochloric acid, CO2 Purity test, bleaching powder, sugar ( floc test), crown test, SU260 and 773 powders,

Waste water treatment

* Water analysis and operations.

INSTRUMENTS HANDLED

* Double UV-VISIBLE Spectrophotometer (analysis for sugar color and turbidity PEPSI standard)
* CO2 Purity test meter.
* Turbidity meter.