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.