

# **Emerging EthiX Power Pvt.Ltd.**

An ISO 9001:2015 & ISO 14001-2015 Certified Company  
(Eco friendly German Technology For 21<sup>st</sup> Century)

**India's No. 1**  
**EthiX Water Conditioner**  
**(Electrolysis, Electronics with Electromagnetic)**

**<https://www.ethixwaterconditioner.com>**

**Toll Free No. – 1800–123-6463**

**SMS 'MyEthix' to 56161**



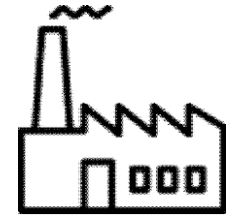
(Anti Scaling, Anti Rusting, Anti Algae )

**Bye Bye to Bore well Hard Water**

Useful for Industrial Sectors



Industrial



Commercial



Residence



Agriculture



**We Provide Services in-**

# Industrial Sectors

**Boiler and Heat Exchanger**



**Chiller Plants**



**Cooling Towers**



**Water Heater Tanks**



## Dye Manufacturing



## Aluminium industry



## Beverage industry



## Steel Manufacturers



## Chemical Manufacturing



## Food Canning Manufacturing



## Beer Wine Manufacturing



## Fruit & Vegetable Processing



# WHAT IS CORROSION

- Corrosion May Be Defined As The Gradual Destruction Of Materials Which Are Usually Metals Due To Their Contact With The Surrounding Environment
- It Is Basically The Chemical Or Electrochemical Destruction Of Metal With Environment
- Corrosion Degrade The Metals Thereby Reducing Strength And Other Physical And Chemical Properties Of Metals



# SIGNIFICANCE OF CORROSION

## CORROSION HAS VARIOUS EFFECTS ON INDUSTRIAL WATER SUPPLIES

- THE MAIN PROBLEMS IN INDUSTRIAL WATER SYSTEMS ARE:

**1. SCALING**

**2. BIOFOULING**

**2. CORROSION**

**4. MICROBIOLOGICAL CORROSION**





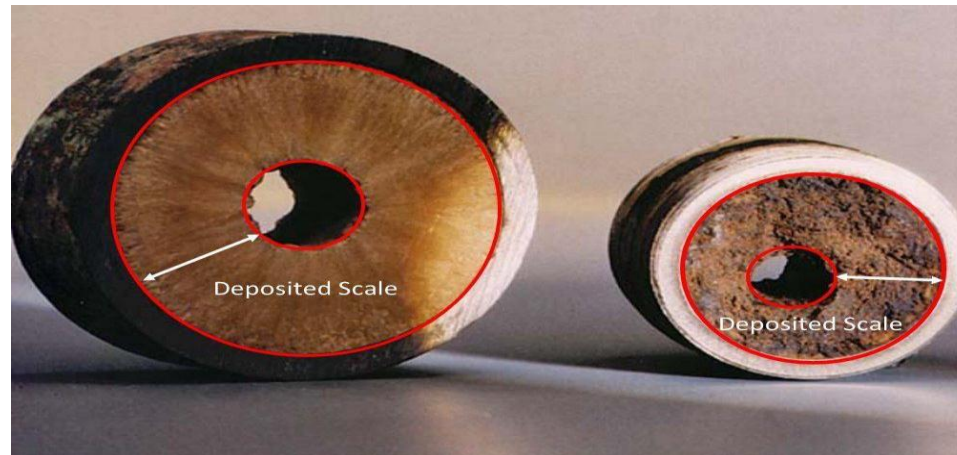
# SCALING

➔ Scaling Occurs When The Temperature As Well As The Chemical Conditions Are Such That They Form Solid Deposits Dissolved Mineral & Salts Which

➔ Scaling Reduces The Heat Exchange Efficiency As It Becomes An Insulation Medium.

➔ Scaling Causes Wastage Of Energy

➔ Scaling Reduces The Pipe Width (Diameter) Which Is Responsible For The Increased Load On The Pump



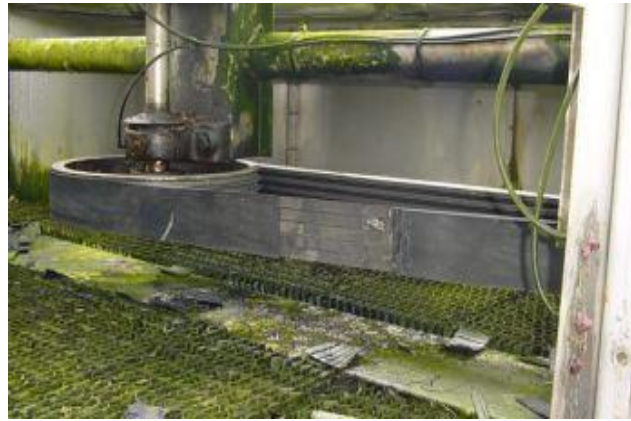
# CORROSION

- Corrosion Occurs As A Result Of Oxidation Of Parental
- Metals Such As Iron Rusts.
- The Integrity Of The Various Plant Equipments Is Then
- Gradually Compromised.
- Corrosion Can Be Responsilbe For Causing Leaks
- Leakages In The Pressurised Systems May Be Very
- Dangerous For The Industry And The Worker



# MICROBIOLOGICAL CORROSION

- ➡ Untreated Cooling Water Is Warm And May Contain Organic Nutrients.
- ➡ Microbes Generally Thrive In Such Waters As The Wet Cooling Towers  
Accumulate Various Microbes
- ➡ Dust, Fungal, Spores, Grass, Flies Etc., Get Collected In The Water And  
Thereby Form Microbial Soup



- ⇒ In a cooling system there are billions of bacteria which are held together by a slimy substance. The formation of a biofilm, or biofouling come into existence when the bacteria stops moving, settles down and becomes part of a biofilm.
- ⇒ Due to biofouling- negative effects may occur such as increased chemical consumption, corrosion and increases in power requirements of the system.



# Hard Water Problem?

✦ CORROSION - Means rot - which is caused by salt water in which the evidence of CALCIUM CARBONATE, and MAGNESIUM CARBONATE is present in large quantities.

✦ In Steam Boilers, Heat Exchangers and Cooling Towers, scaling (shards) algae begins to accumulate, due to which the efficiency of these machines is reduced, which leads to a decrease in optimum production.

✦ It is very difficult to remove the scabs of algae and shards. Many industries use very expensive chemicals to protect them

✦ Despite this, many mechanical mechanisms have to be shut down completely, iron tools are used to remove the sharpness, due to which the machine is damaged.

✦ The chemical that is used also harms the environment. Closing the industry also affects production.



# Hard Water Symptoms in Industrial

**Cooling tower**



**Scaling on Boiler**







# Ethix Water Conditioner Benefits



Hard water and scaling are major problems for the Industrial Industry. Until now, the only reliable solutions were chemicals, scale inhibitors or expensive water softener systems. Ethix Water Conditioner offers you a Maintenance-free, Environmentally-friendly alternative.



Ethix Water Conditioner is an 3 Stage Electronic descaling system that is installed on the water line. It provides year-around water conditioner and lime scale buildup prevention and removal. Industries trust Ethix Water Conditioner for water conditioning while enjoying the benefits of saving on overall operating and Maintenance costs.



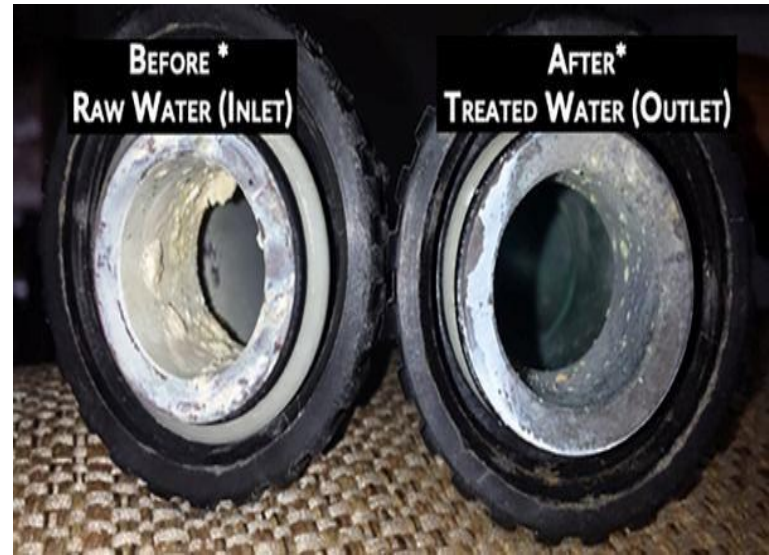
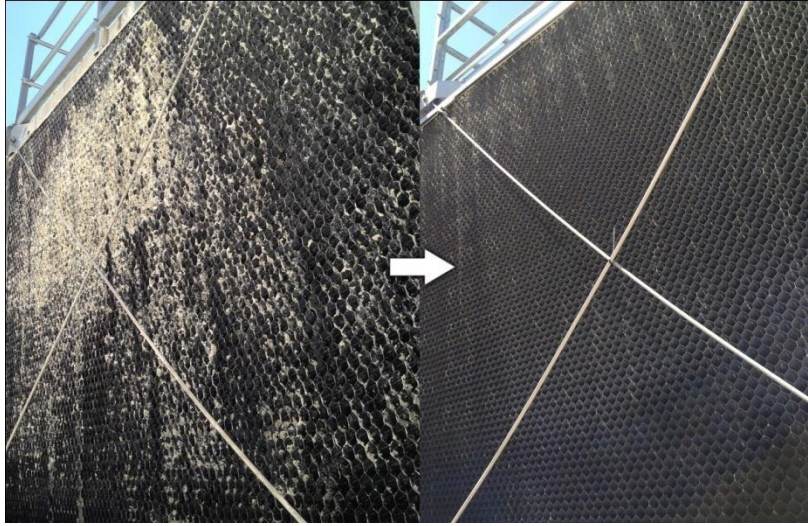
- 💧 Preventing scale accumulation.
- 💧 Chemical Free.
- 💧 Control of algae and bacteria.
- 💧 Tremendous energy savings.
- 💧 Improves efficiency.
- 💧 Reducing downtime and maintenance.
- 💧 Reduction in corrosion.
- 💧 Increasing cycles of concentration. (Water Savings)
- 💧 Extends life of capital equipment.
- 💧 Environmentally friendly.
- 💧 Decreases need for water purifiers, water filters and water filtration devices.





**Before**

**After**



After

Before



Before

After





(An ISO 9001:2015 & ISO 14001:2015 Certified Company)

India's No. 1\*

# ETHIX WATER CONDITIONER

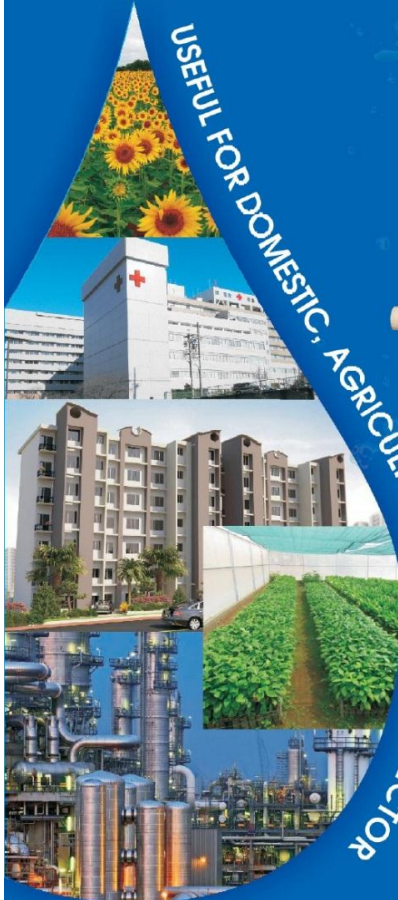
(Electrolysis, Electronics with Electromagnetic)

ANTI-SCALING, ANTI-RUSTING, ANTI-ALGAE

"Bye Bye to Borewell Hard Water"



USEFUL FOR DOMESTIC, AGRICULTURE & INDUSTRIAL SECTOR



Delta Series {Δ}

No Maintenance

No Salts

No Chemicals

Fit And Forget

One Time Investment

Long Life

SMS 'MyEthix' to 56161

[www.ethixwaterconditioner.com](http://www.ethixwaterconditioner.com)

Toll Free No.: 1800-123-6463 (India)



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**EthiX Water Conditioner** is an 3 Stage Electronic descaling system that is installed on the water line. It provides year-round water conditioning and lime scale buildup prevention and removal. Industries trust EthiX Water Conditioner for water conditioning while enjoying the benefits of saving on overall operating and Maintenance costs.

### COOLING TOWERS

You will observe huge savings in Maintenance, Biocide Chemicals, Labor & Water usage. EthiX Water Conditioner reduces Scale build-up, Bacteria, Biofilm, Corrosion and Algae blooms. It will reduce makeup water/blow downs substantially, resulting in huge water savings. It will increase the life of the equipment and lower Energy Costs.

### BOILERS

You will see huge savings in Chemicals and Maintenance costs. EthiX Water Conditioner reduces scale formation on Boiler fire tubes, Condensation Tanks, Pumps, Pipes and Valves. Our product lowers Energy costs Dramatically and Extends Equipment Life.

### WATER HEATER TANKS

Water Heaters work more Efficiently resulting in Huge Energy Savings. Scale is controlled on Heating Coil and Tank.

### CHILLERS/ CONDENSERS/ AIR HANDLERS

Controls Limescale deposits on Heat Exchanger Tubes and Surfaces resulting in Substantial Energy Savings.

### INDUSTRIAL BENIFITS

- ◆ Preventing scale accumulation
- ◆ Chemical Free
- ◆ Control of algae and bacteria
- ◆ Tremendous energy savings
- ◆ Improves efficiency
- ◆ Decreases need for water purifiers, water filters and water filtration devices
- ◆ Reducing downtime and maintenance
- ◆ Reduction in corrosion
- ◆ Increasing cycles of concentration (water savings)
- ◆ Extends life of capital equipment
- ◆ Environmentally friendly



Authorised Distributor / Dealer

Manufacturing & Marketing by

**EMERGING ETHIX POWER PVT.LTD.**

(Eco Friendly GERMAN TECHNOLOGY For 21st Century)

**CORPORATE OFFICE** Sr. No. 54 Holkar House 4th Floor Beside Hotel Dawat Near Navale Bridge Bangalore Highway Pune

Contact No- 7887887123/ 8999813136 | Email id - sales@ethixwaterconditioner.com

Web site : www.ethixwaterconditioner.com | Toll Free No.: 1800-123-6463 (India)

India's No.1 EthiX Water Conditioner<sup>☆</sup>

*Delta Series {Δ}*

(For Industrial / Commercial / Agriculture)

**STOP !!!**  
**Hard Water Problem**  
**From BoreWell**



No Maintenance

No Chemical

No Salt

No Filter

Long Life

No Water Wastage

One Time Investment

[www.ethixwaterconditioner.com](http://www.ethixwaterconditioner.com)

Toll Free No. 1800 123 6463

**Note: EthiX Water Conditioner is neither a "Water Filter" nor a "Water Purifier"**

**Ethix Water Conditioner**  
Based on  
**Advance German Technology**  
**Used in our Products**

# SALIENT FEATURES

No Salt

A1

Eco-Friendly

A5

No Chemical

A2

Zero Maintenance

A6

No Maintenance

A3

Make in India

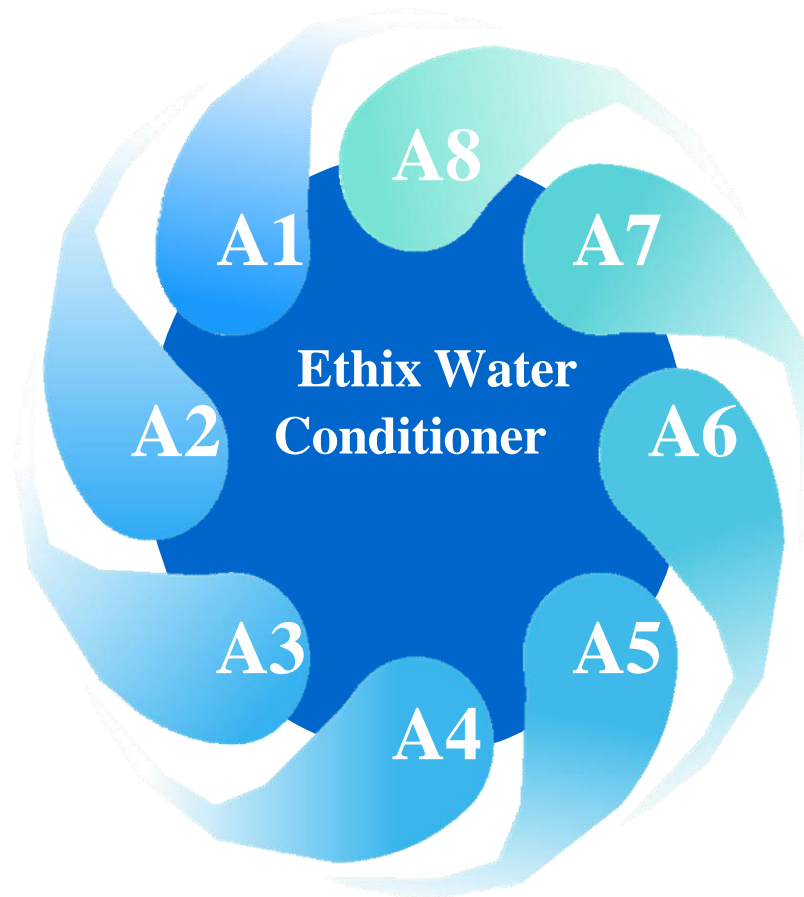
A7

Fit & Forget

A4

Low Space

A8





# SALIENT FEATURES

- **No Salt -**

Salt free alternative water conditioner saves water and won't pollute our precious water supply.

- **No Chemical -**

Sustainable and chemical-free water conditioner saves water from pollution and more precious water supply.

- **No Maintenance -**

Substantial savings on labour, salt and repairs associated with water softeners.

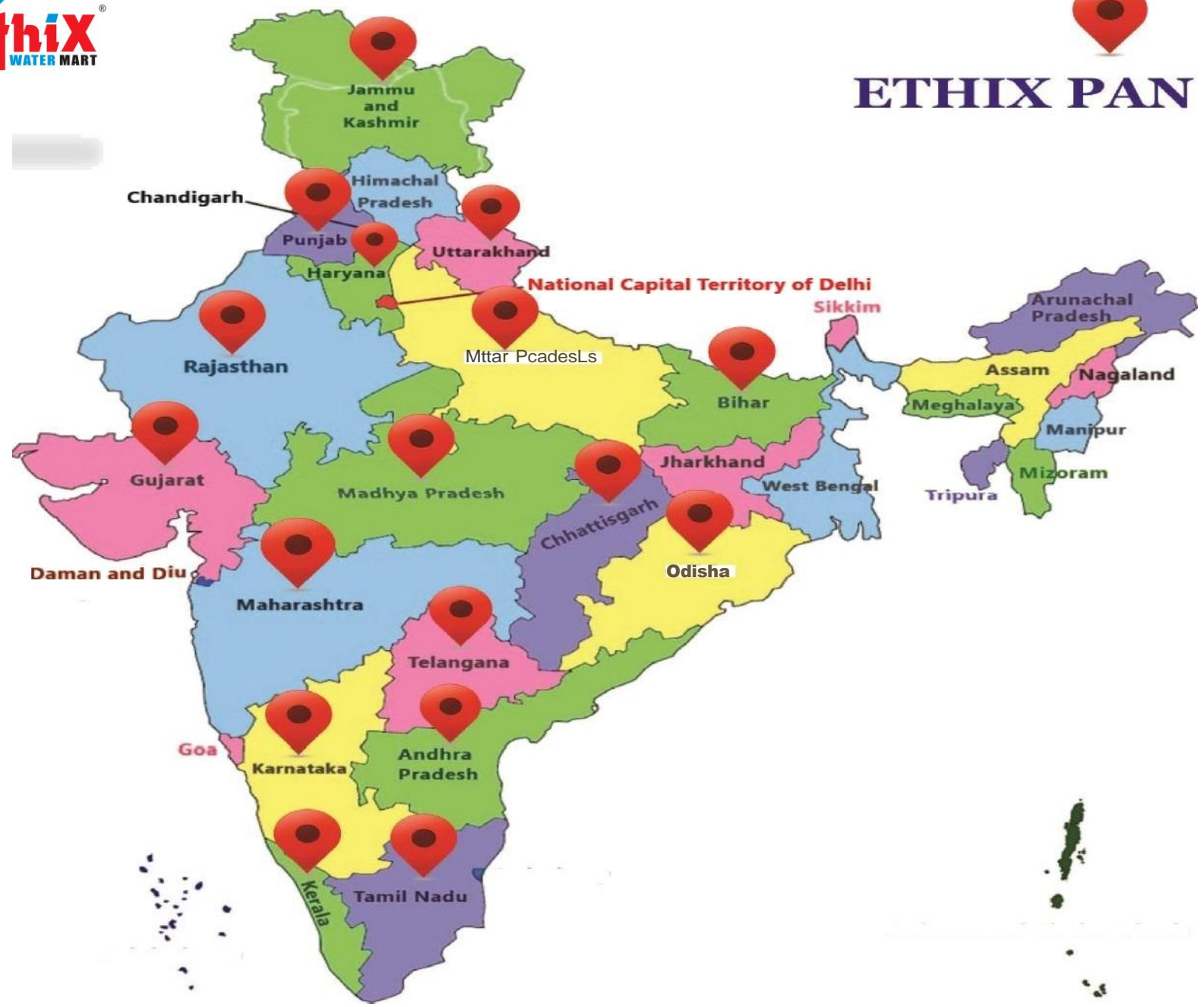


- **Fit & Forget -**  
Our affordable, eco-friendly solution is efficient and provides best result. No longer need to repair again and again.
- **Eco-Friendly -**  
Sustainable, salt and chemical-free water conditioner saves
- **Zero Maintenance -**  
Substantial savings on labor, salt and repairs associated with water softeners
- **Make in India -**  
Designed, engineered and MANUFACTURED in India
- **Low Space -**  
Does not require a large space for installation





# ETHIX PAN



The background consists of a collage of images including a laptop keyboard, a hand writing on a document, and a close-up of a laptop screen, all overlaid with a white diamond-shaped grid pattern.

**Grow with Us .....**



## **EMERGING ETHIX POWER PVT.LTD.**

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Pune Bangalore Highway Pune Maharashtra 411 041



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<https://www.linkedin.com/company/ethix-water-conditioner>



A high-speed photograph of a water droplet suspended in mid-air above a ripple in a blue body of water. The droplet is perfectly spherical and reflects light. The ripple below it is a series of concentric circles. The background is a soft, out-of-focus blue. Several dotted white lines form overlapping circles and arcs around the droplet and the ripple, creating a sense of motion and focus.

**THANK YOU**