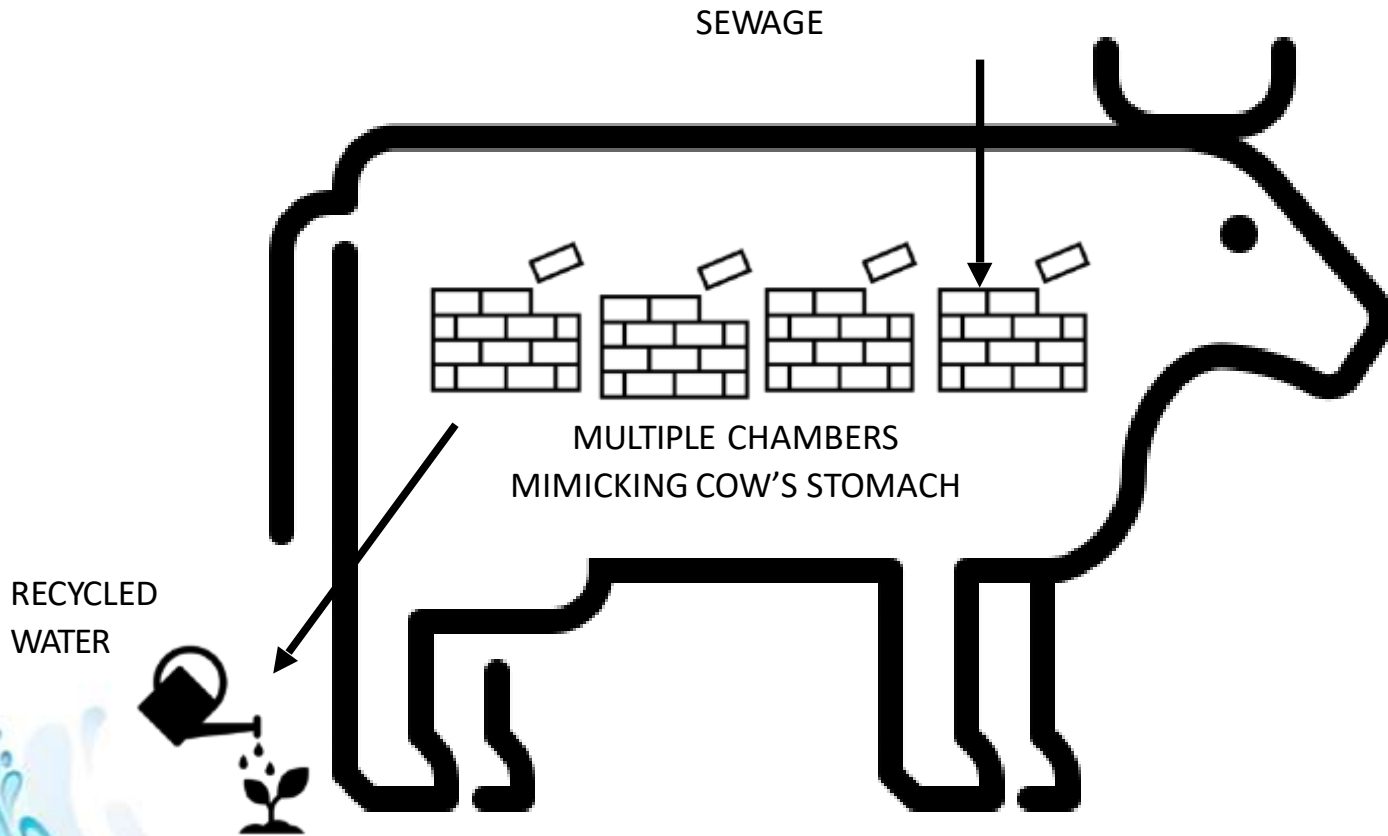


# ECOSTP Technologies © Ltd

**ECOSTP**<sup>®</sup>  
sewage to gold™



**Biomimicry based Net Zero  
Sewage Treatment  
Technology**

# THE BIG PROBLEM

## 70 per cent of Indian sewage treatment plants dysfunctional: Prakash Javadekar

Through his recorded video message at 'Wastech', Javadekar called for better solutions to tackle problems related to waste management in India.

PTI | Updated: Nov 21, 2014, 05.04 PM IST



GANDHINAGAR: Union Minister Prakash Javadekar today said that 70 per cent of all sewage treatment plants in India do not work due to high running cost.

Through his recorded video message at 'Wastech', Javadekar called for better solutions to tackle problems related to waste management in India.

INDIAN PROBLEM

GLOBAL PROBLEM

## 80 Percent Of World's Wastewater Discharged Untreated: UN

A UN report released on World Water Day said that 80 per cent of the world's wastewater is discharged without any treatment, due to lack of infrastructure and technical expertise

News, World Toilet Day, World Water Day Special | IANS | November 16, 2017 4:15 PM | 0



Image Credit: istockphoto.com/narvikk

# THE BIG PROBLEM

## CONVENTIONAL STP - HOW IT WORKS?



- Requires continuous air injection into fecal matter tanks for 20 hours daily.
- High HP blower motors are needed, which must use grid power (cannot run on solar).
- Aerobic bacteria need to be added every hour. (MLSS process)
- Requires chemicals.
- Requires operators to manage.

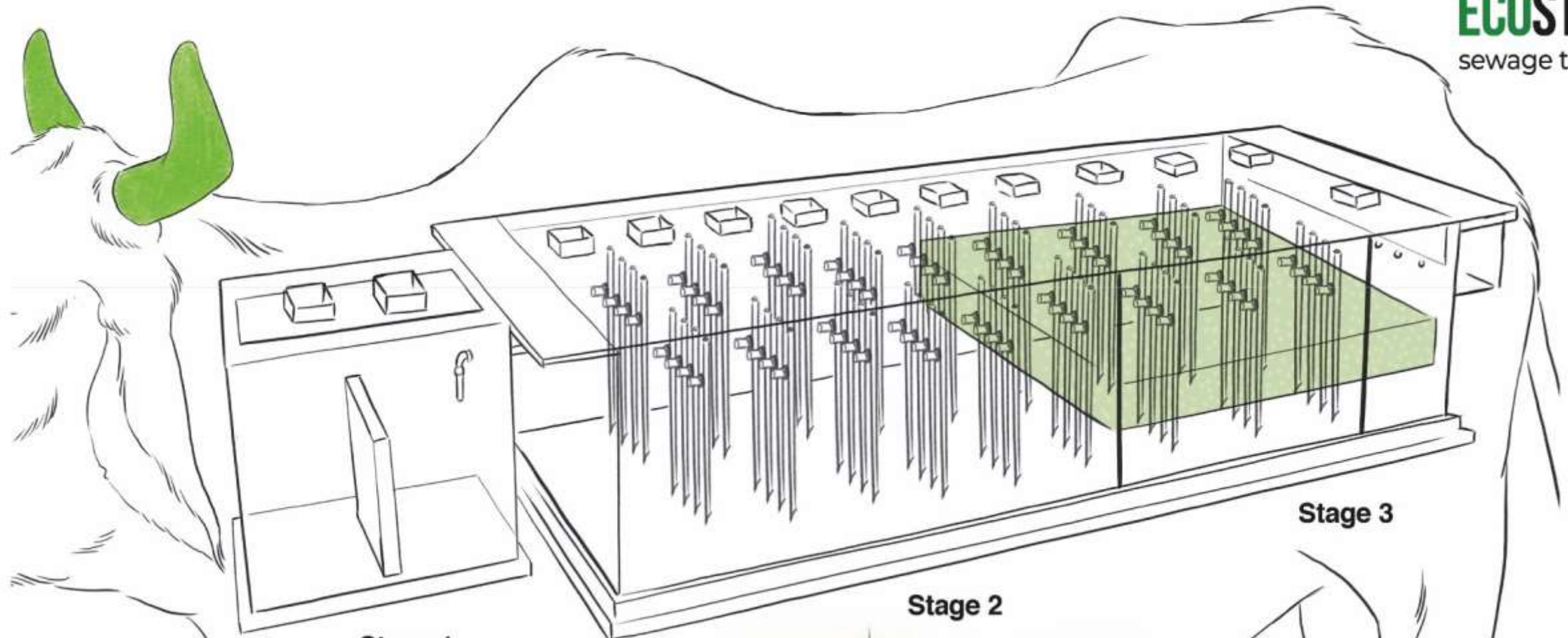
# BIOMIMICRY INTRO



The biggest innovations of the twenty-first century will be the intersection of biology and technology. A new era is beginning - Steve Jobs



Could cows help solve the world's sewage problem?



**Stage 1**



**Stage 2**

**Stage 3**

**Stage 4**





An aerial photograph of a school playground. The playground is rectangular and contains several colorful play structures, including slides and climbing frames. A callout box with the text 'STP' points to a specific structure. The playground is surrounded by a patterned tile walkway and a concrete wall. In the background, there are buildings and a rocky area with some vegetation.

STP





ECOSTP BERGER PAINTS TALOJA PLANT



ECOSTP TITAN HOSUR PLANT



ArcelorMittal

ECOSTP ARCELOR MITTAL PLANT



ECOSTP CEPHIED INDIA PLANT

# PRODUCT BENEFITS



NO POWER

# NO MINIMUM LOAD

NO 30% MINIMUM LOAD  
REQUIREMENT



NO OPERATORS



PCB - CFE & CFO APPROVED



NO ODOUR



ROI LESS THAN 2 YEARS

# Domestic Sewage Generated by Sugar Industry in India

- ❖ India Ranks first globally in Sugar Production.
- ❖ Indian Sugar Industry provide employment to more than 500 thousand employees.
- ❖ There are More than 700 Sugar Factories In India.
- ❖ Sugar factories alone generate more than 25 Million Litres per day of domestic sewage.



By adopting a Nature Based Solution great opportunity in saving Power, Usage of Chemicals and manpower close to **Approx Rs.50 Crore PA in Opex**

## Example : (100 KLD) Savings Annually

Power Saved = 65700 KWH

Coal Saved = 52.56 Tonnes

Money Saved = 14 Lakhs

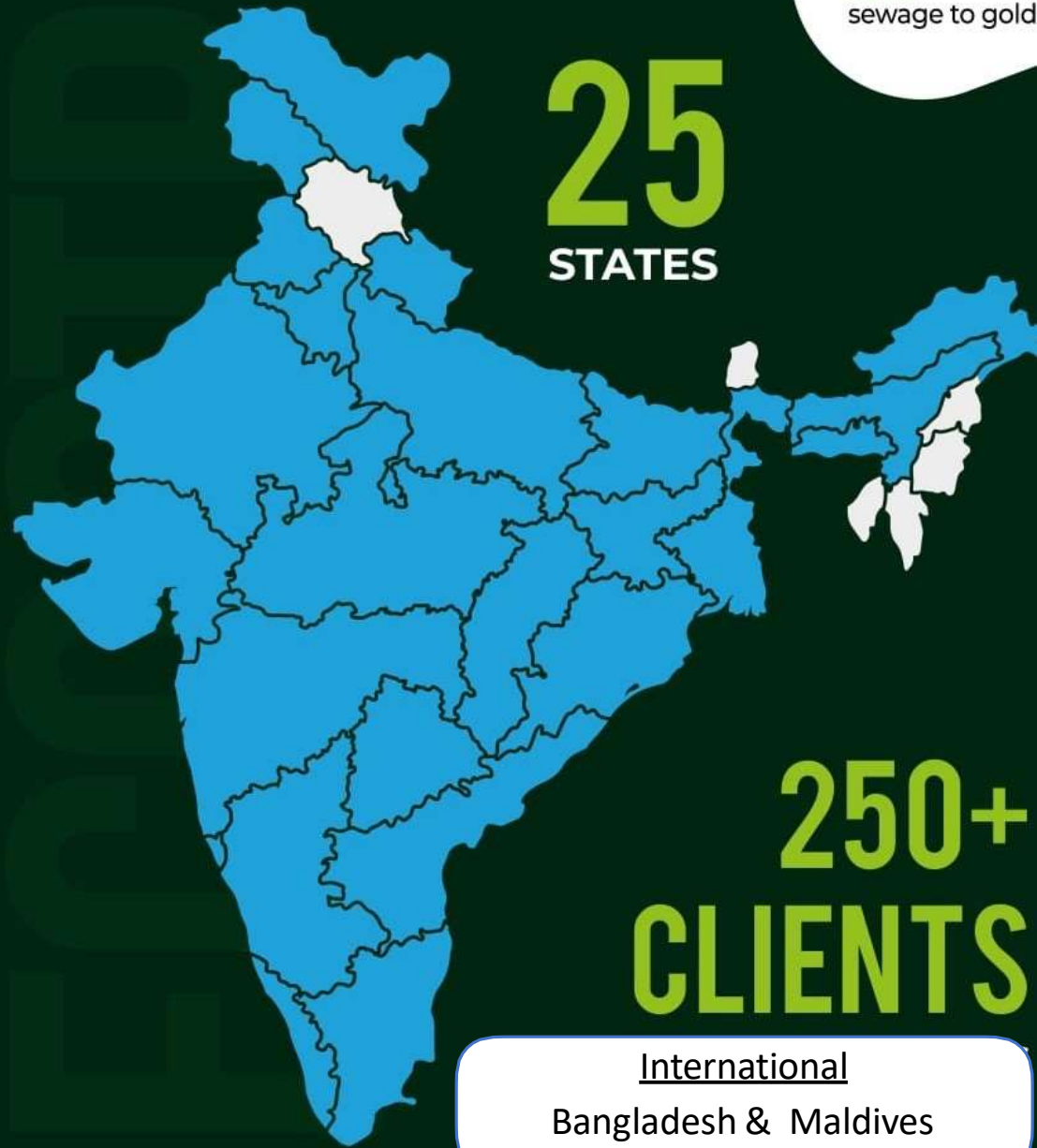


BRIGADE



EMBASSY

3 BILLION LITRES OF SEWAGE RECLAIMED TO PURE WATER



25 STATES

250+ CLIENTS

International  
Bangladesh & Maldives

ECOSTP®  
sewage to gold

OUR MISSION IS TO RECLAIM EVERY DROP OF WASTEWATER, NATURALLY.



**4 BILLION**

**LITRES OF SEWAGE CONVERTED TO GOLD (A.K.A WATER)  
WITHOUT USING POWER OR CHEMICALS!**

OUR MISSION IS TO RECLAIM EVERY DROP OF WASTEWATER, NATURALLY.

# CLIENT TESTIMONIALS - 25 CEO's



"Why did I choose ECOSTP?"  
Changemaker client Kasu...

466 views • 1 year ago



"Why did I choose ECOSTP?"  
Changemaker client Coevol...

60 views • 4 months ago



"Why did I choose ECOSTP?"  
Changemaker client Pranat...

210 views • 1 year ago



"Why did I choose ECOSTP?"  
Changemaker client Brigad...

250 views • 1 year ago



"Why did I choose ECOSTP?"  
Changemaker client Zero...

236 views • 1 year ago



"ECOSTP is a like a Tesla"

"Conventional STPs need minimum 30% load to work but ECOSTP needs only one toilet to start"

"ECOSTP saves money every month for my customers"

"ECOSTP is 70% cheaper"

"Savings for the nation"



"Why did I choose ECOSTP?"  
Changemaker client V...

229 views • 1 year ago



"Why did I choose ECOSTP?"  
Changemaker client Maruth...

218 views • 1 year ago

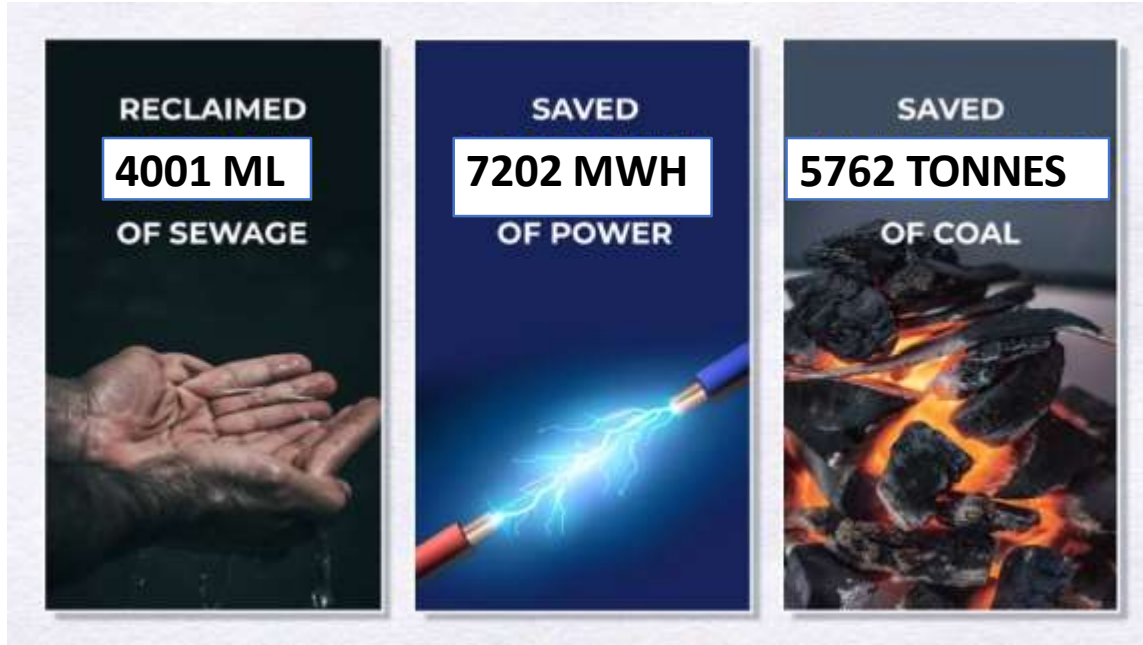


"Why did I choose ECOSTP?"  
Changemaker client Doors...

293 views • 1 year ago

<https://www.ecostp.com/customer-stories/>

# REVENUES AND IMPACT



## ECOSTP IMPACTS 6 SDG'S.

180DEGREES CONSULTING, IIT - MADRAS  
DID THE ANALYSIS OF OUR SDG COMPLIANCE  
AND SUSTAINABILITY METRICS



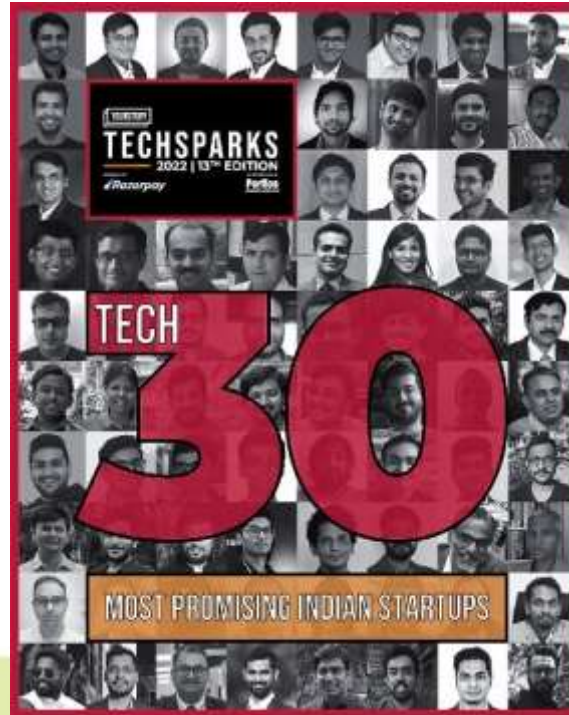
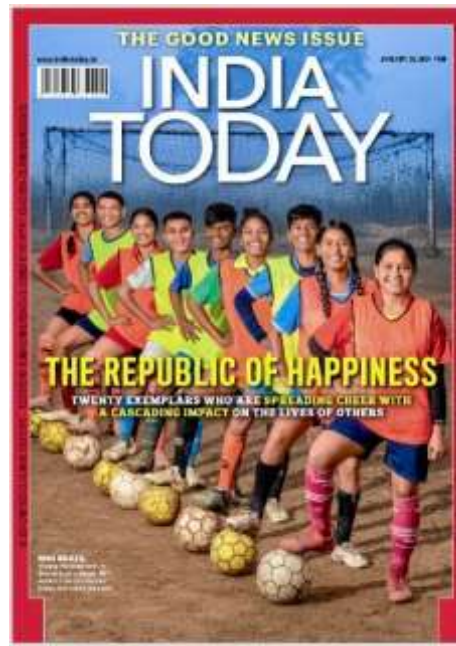
IMPACT TICKER meter displays impact daily in website



# RECOGNITIONS



Economic Times : Startup Entrepreneur of the year



Water Innovation Award



United Nations Best Practice



**Tharun Kumar - CEO**

- Past leadership roles with Cable&Wireless, Motorola, Hughes
- AMP from IIM-B and ISO 50001 Energy Auditor



- **Ramya Rajagopal, Head - Customer Success**
  - L&D Head of Just Dial Ltd.
  - Dianetics Auditor, PCC Coach, Thomas International Analyst



**Lokesh Rajashekaraiah, COO**

- Operations management
- Anheuser Busch inBev, Maersk
- Six Sigma Master Black Belt



- **Praveen Saravanan PhD, Head - Products**
  - Over 40 publications in International journals.
  - ME in Construction Engineering and PhD in Civil Engineering



- **Amar Patel, Head - Sales**

- ICICI Lombard, Times of India.
- MBA from Narsee Monjee Institute of Management Studies

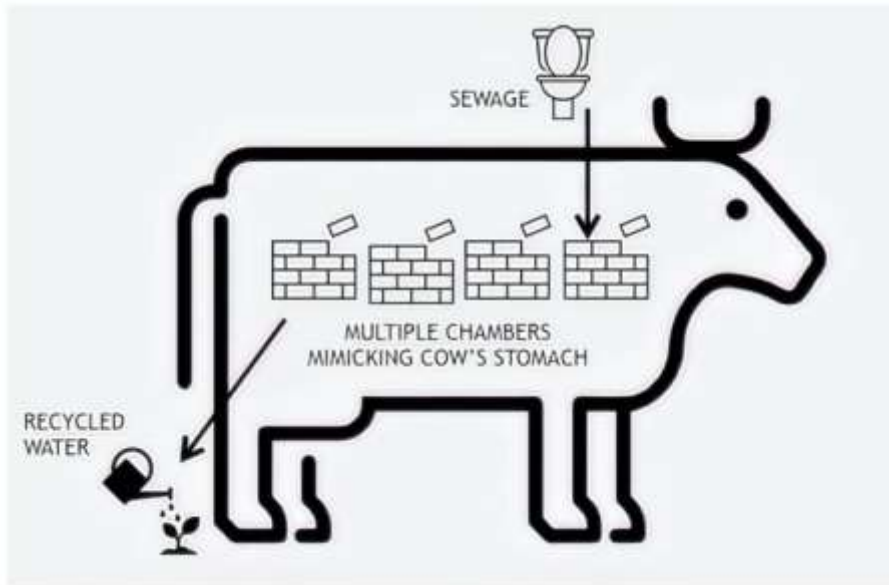
## Incubators





**ECOSTP Technologies**

Most Sustainable Sewage Treatment Technology Developer 2022



# Questions?

**ECOSTP Technologies Private Limited**

Brigade Gateway Campus, 26/1, Dr. Rajkumar Road,  
Malleswaram - Rajajinagar,  
Bangalore 560 055, India

[team@ecostp.com](mailto:team@ecostp.com)

<https://www.instagram.com/ecostp/>

[https://twitter.com/\\_ecostp\\_](https://twitter.com/_ecostp_)

[www.facebook.com/ecostp](http://www.facebook.com/ecostp)

Our mission is to reclaim every drop of wastewater, naturally.