

## 'Har Ghar Nal Se Jal'

The flagship scheme 'Har Ghar Nal Se Jal' of Jal Jeevan Mission has so far provided tap water connections to nearly 4 crore rural households — over 20% of its target — since its launch in 2019. The scheme



Har Ghar Jal  
Jal Jeevan Mission

aims to provide a functional household tap connection (FHTC) to every rural household by 2024. To date, Andaman and Nicobar Islands, Goa, and Telangana have already achieved this feat successfully, according to the data provided by the Ministry of Jal Sakti.

## Water Academy in Odisha

In the first-of-its-kind initiative, the Government of Odisha has decided to set up a Centre of Excellence 'Odisha Water Academy' at Bhubaneswar. The Academy will function as a pioneering training and capacity-building institution in the field of water and wastewater. The main objective of the institution is to enhance the quality and service levels in the sector for customer satisfaction and for better health and environment outcomes.

Reference: Jal Jeevan Mission

## Water in fruits



Water forms a major part of fruits. Hence intake of fruits helps in maintaining the water balance in human body. Besides water, fruits are an excellent source of essential vitamins and minerals. Fiber content and health-boosting antioxidants are also amply present in fruits.

Mango	82%
Pineapple	87%
Grapes	82%
Orange	86%
Papaya	89%
Banana	76%
Strawberry	91%
Guava	81%
Pear	83%
Water melon	93%
Plum	87%



# Green Way

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RTM 2.0 INSTALLATIONS IN BANGALORE - A NEW RECORD

Your sincere effort at this pandemic situation, makes GreenenvironmentIndia grow more resilient and successful.



**“GreenenvironmentIndia's RTM 2.0 monitors 24X7 your Chlorine disinfection levels in the treated water to deactivate SARS-Cov-2 virus, if any, making water re-use safer at pandemic times”**

## Predict Covid 19 outbreak through Wastewater monitoring

Sample of grey water that came to the treatment plants were positive for SARS-CoV-2, while the ones that went out of the plants were negative

Environment surveillance through wastewater epidemiology may come handy in predicting the future outbreaks of Covid 19 pandemic. SARS-CoV-2 RNA can be detected in wastewater samples several days before detection of COVID-19 through clinical surveillance as per the report of a study conducted by Hyderabad based CSIR-Centre for Cellular and Molecular Biology (CCMB). Detection of unrecognized transmission of SARS-CoV-2, would be helpful in determining whether COVID-19 has truly been contained in an area.



alert the public to arrest the spread of the pandemic in such areas.

Shedding the virus through faeces starts from the first day of infection. But it could

take about two weeks for the symptoms of SARS-CoV-2 infection to show up. In many cases, there won't be any symptoms at all. So, by simply detecting the viral genome load in sewage water reaching the treatment plants, scientists are able to predict the outbreak of Covid19 in an area before

detection of COVID-19 through clinical surveillance.

Reference: natureasia, sciencedirect.com

## Viral particles were eliminated in wastewater treatment

Another crucial revelation in the CCMB study is the fact that, the sample of grey water that came to the treatment plants were positive for SARS-CoV-2, while the ones that went out of the plants were negative, showing that the treatment effectively eliminates viral particles. Thus, the tests are inter alia pin pointing to the need of continuous surveillance and monitoring of sewage/wastewater in order to effectively contain Covid 19.