

# Johkasou-STP

Johkasou is Packaged Sewage Treatment Plant from Japan

-Contribute for 'Swachh Bharat'-

PROTECT x CHANGE

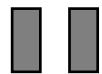


# What is 'Johkasou-STP' ?

- Johkasou is the product name as well as concept name created Japanese government. All product approved by performance test by MoEJ & MLIT ,and factory made products are less Error

## Johkasou-STP

「Johka」 「sou」



Purification



Tank

- ✓ ALL products approved by government performance test
- ✓ ALL products made in factory and Less Error, Less site work
- ✓ Installation, Maintenance, reporting system ALL are regulated and done by licensed person

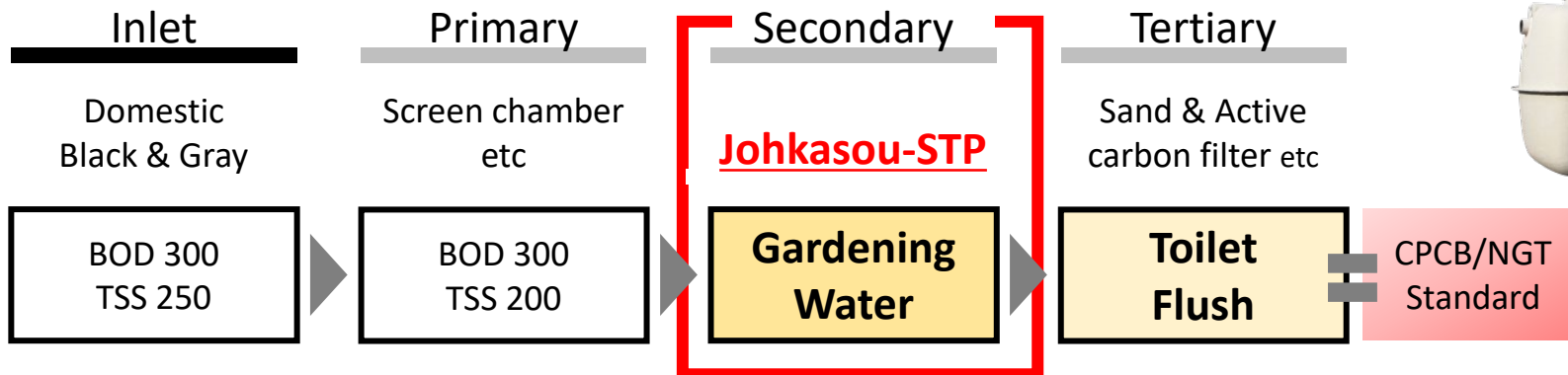
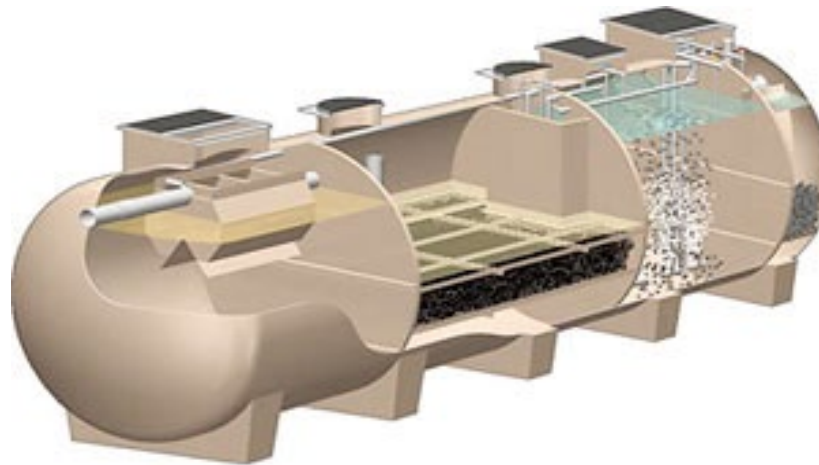
# Image of Johkasou-STP

- We are using FRP for Johkasou-STP, it is No corrosion material so long life

Capsule Type: 1~25KLD



Cylinder Type: 20~75KLD



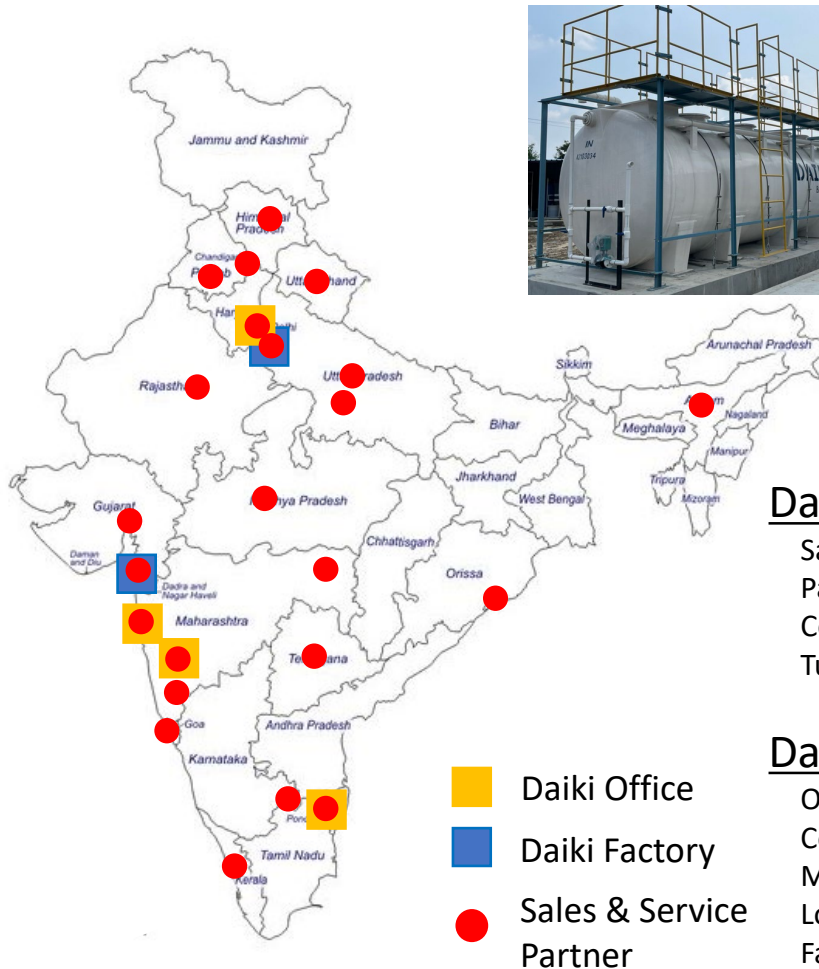
# Comparison Johkasou-STP and Other process

- Johkasou-STP is simplified product for operation & maintenance. So no need operator, Only aeration blower is electric product for operation

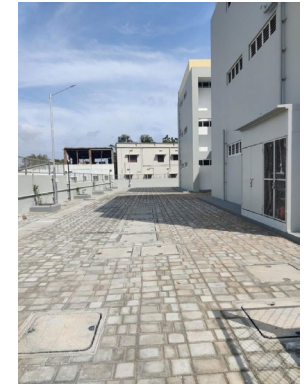
	Bio Digester/ Bio filter	SBR (RC)	MBBR (RC)	MBR (RC)	Johkasou-STP
Features	Mainly Anaerobic treatment & Bio filter system combination	Not continues process and waste of electricity Noisy operation	Good process but target is only BOD,COD	High performance but high cost process Mandatory additional treatment system	BEST product for BASIC treatment Nitrogen treatment
Treatment performance (BOD)	300⇒ 50mg/L	300⇒ 20mg/L	300⇒ 30mg/L	300⇒ 5mg/L	300⇒ 20mg/L
Initial cost (include construction)	10Lakhs	30Lakhs	25Lakhs	50Lakhs	20Lakhs
Operator	No need operator	2-3 operator	1-2 operator	2-3 operator	No need operator
Electrical consumption	0 – 0.5 kWh	2.40 – 3.00 kWh	2.00 – 2.40 kWh	4.00 – 5.60 kWh	0.74 kWh
Size requirement (Foot print)	250 sqm	30 sqm	60 sqm	25 sqm	30 sqm
Maintenance (1year cost average for next 10years)	Rs.10,000	2.0 Lakhs	Rs.1.6 Lakhs	5.0 Lakhs	Rs.36,000

# India \_ Corporate profile

- Daiki Axis Environment is a Manufacturing company, Daiki Axis India is a Sales & Service company. We work & grow with Local company as sales & service partners



- Daiki Office
- Daiki Factory
- Sales & Service Partner



## Daiki Axis India Pvt. Ltd.

Sales / Services / Manufacturing  
 Partner for sales & Services : 24 companies  
 Company employs : 25 staffs (Sales, Installation, Maintenance)  
 Turnover : INR 25cr (Target on 2024 is INR 100cr)

## Daiki Axis Environment Pvt. Ltd.

Only Manufacturing  
 Company employs : 30 staffs (Contract staff Not including)  
 Manufacturing Capacity : 22,500 m<sup>3</sup> (50KLDx400units, 25KLDx100units)  
 Localization : 95%  
 Factory planning : In one state one factory

# Activity for Government & Municipality

- Starting Education program of Installation & Maintenance and Certification system with Skill University in India from 2023 March

## सुखद व सुरक्षित माहौल के कारण निवेशकों की पहली पसंद बना हरियाणा: मुख्यमंत्री

पल पल न्यून: चंडीगढ़, 4 नवंबर। हरियाणा के मुख्यमंत्री मनोहर लाल ने कन्नड़ कि हरियाणा सरकार श्री आर- रिड्यूज, रिसाइकल और रीयूज के सिद्धांत पर काम कर रही है। पानी के उचित प्रबंधन के लिए ट्रेटेड वाटर पॉलिस्स बनाते हुए जल संरक्षण की दिशा में सकारात्मक कदम बढ़ाए जा रहे हैं। सरकार के इस महत्वकांक्षी सिद्धांत में विदेशी कंपनी निवेशक बनते हुए सहयोगी बन रही है। मुख्यमंत्री शुक्रवार को फतेवल जिला के गांव देवली में जापान की कम्पनी डायकी



पॉलिस्स के उद्घाटन अवसर पर श्री विश्वकर्मा कोशल विश्वविद्यालय ट्यूबोला व डायकी पॉलिस्स कम्पनी के बीच विद्यार्थियों के कोशल निखार को लेकर समझौता भी साइन किया गया।

मुख्यमंत्री ने एकादशी पर्व पर सभी को शुभकामनाएं देते हुए कहा कि प्रदेश में सुखद व सुरक्षित माहौल प्रदान किया जा रहा है और यही कारण है आज विदेशी निवेशकों की हरियाणा पहली पसंद बन रहा है। उन्होंने कन्नड़ कि 200 करोड़ के निवेश के साथ देवली में स्थापित किया यह संयंत्र जल संरक्षण की दिशा में भागीदार बनने के साथ ही क्षेत्र के विकास में अहम रहेगा। उन्होंने बताया कि आने वाले 5 सालों में यह प्रतिष्ठित कम्पनी करीब 4000 लोगों के लिए रोजगार सृष्टि करेगी।



**SAVE GROUNDWATER! REJUVENATE THE YAMUNA!**

think!

Delhi's water table is extremely low. Recycling waste water is now essential.

Great opportunity for schools, colleges, parks, hotels and large institutions to slash water bills and save the environment! Jai Jal Board is committed to help you!

For installing D-STP, contact:

E-mail: [splanning@daiki.org](mailto:splanning@daiki.org) / [daiki@govail.com](mailto:daiki@govail.com)

Tel. No. : 1916

W-11042/69/2020-JIM-IV-DDWS-Part (3)  
Government of India  
Ministry of Jal Shakti  
Department of Drinking Water and Sanitation  
(National Jal Jeevan Mission)

4<sup>th</sup> Floor, Pt. Deendayal Antyodaya Bhavan,  
CGO Complex, Lodhi Road,  
New Delhi-110 003  
Date: 25<sup>th</sup> November, 2020

To  
M/s. Daiki Axis India Pvt. Ltd.,  
G 17, DLF Tower B,  
Jasola, New Delhi 110 025.  
Email: [sunil-s@daiki-axis.com](mailto:sunil-s@daiki-axis.com)

Subject: Empanelment of JOHKASOU Technology (Application no. S-000033) as innovative technology for use under Jal Jeevan Mission/ Swachh Bharat Mission - regarding.

Madam/ Sir,

The undersigned is directed to refer to your application number S-000033 for empanelment of JOHKASOU technology as innovative technology under Jal Jeevan Mission/ Swachh Bharat Mission. The matter was examined by the Technical Committee, chaired by the Principal Scientific Advisor, Government of India in its meeting held on 29.9.2020, wherein your representative made a presentation.

2. Based on the details provided in the application, appraisal carried out by the Committee and the presentation made, it has been decided to

- 1) recommend JOHKASOU Technology as innovative technology to be included under the list of recommended innovative technologies of the Department of Drinking Water & Sanitation's innovation portal; and
- 2) demonstration of the technology should also be done to assess its resilience in rural areas and data to be presented to the National Jal Jeevan Mission.

3. You are requested to kindly take necessary action to comply with the para 2(i) above and details of the same may also be reported to the National Jal Jeevan Mission.

Yours faithfully,  
*(A. Muralidharan)*  
Deputy Advisor  
email: [amuralan@gov.in](mailto:amuralan@gov.in)

Copy to,  
Staff Officer to Principal Scientific Advisor/ Sr. PPS to Secretary, (DWS)/ PS to AS & Mission Director (JIM)/ PS to AS (SBM) for information please.

**Delhi govt makes 100% recycling of water mandatory in all its schools**

Vatsala Shrangli  
[vatsala.shrangli@delhi.gov.in](mailto:vatsala.shrangli@delhi.gov.in)

**NEW DELHI:** After rain water harvesting the Delhi government has proposed to make zero liquid discharge (ZLD) system mandatory in all schools runs by it.

Through the initiative, the government aims to save water by recycling and reusing it by using waste water for activities for which fresh water is used in school compounds.

Even as government-run schools in the city are yet to implement rain water harvesting, the proposal for the ZLD system has been approved and is likely to be notified later this month.

"The proposal to make ZLD mandatory will be notified within a month. We plan to start with government schools as they have more area to utilise the waste water in their large compounds such as water towers, kitchens and toilets, among others," said Dinesh Mohaniya, vice-chairman, Delhi Jal Board.

The government plans to extend the model to public-private schools if it takes off well in government-run schools, he said. "Schools will be given 90 days' time to install the system. This is to ensure that only waste and recycled water is used in the compound and usage of fresh water be limited to basic requirements," Mohaniya said. The ZLD system pertains to installation of facilities (equipment) for recycling waste water which could be used for purposes other than human consumption. In 2016 the Centre had proposed introducing the ZLD system for industries generating hazardous liquid discharge.

While the National Green Tribunal (NGT) had earlier directed all educational institutions in the national Capital to install rainwater harvesting (RWH) systems in their premises, Delhi chief minister Arvind Kejriwal had recently announced that the cabinet had decided for RWH to be made mandatory for all government buildings.

According to experts, recycling water is the way forward for the future and it cannot be done effectively without RWH.

Also, the efficiency of the various systems has to be ensured from time to time for saving water.

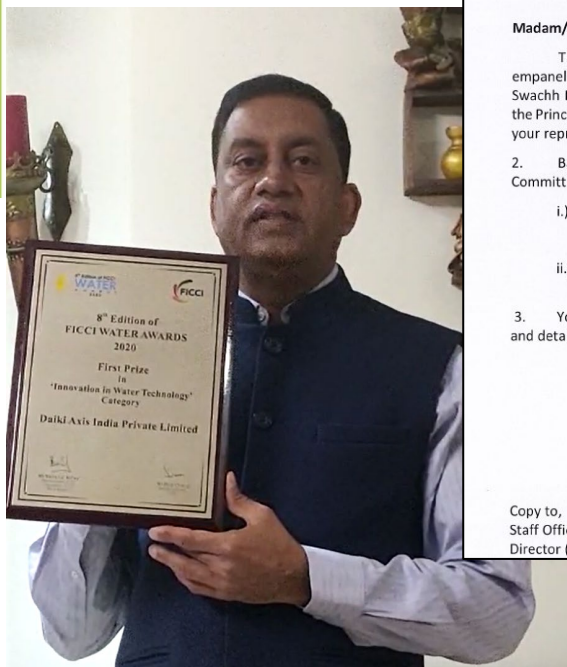
"This is a good beginning. There is no escape from recycling used water as sources of water are becoming scarcer day by day. There are different techniques to install ZLD systems such as constructed wetlands or small, mechanised plants. Depending on the level of treatment, the water could be used for ground-water discharge or horticulture, among others. However, the government needs to ensure implementation of both, rain water harvesting and recycling at the same time, to save water," said Manu Bhatnagar, principal director, natural rainwater harvesting (NTRA).

The proposal for the system has been approved and is likely to be notified later this month.

HT ARCHIVE/REPRESENTATIONAL

# Activity for Award & Certification

- 1<sup>st</sup> CII Green certificate for wastewater treatment, FICCI water award, empaneled JAL Shakti for decentralized STP



W-11042/69/2020-JJM-IV-DDWS-Part (3)  
Government of India  
Ministry of Jal Shakti  
Department of Drinking Water and Sanitation  
(National Jal Jeevan Mission)  
\*\*\*\*  
4<sup>th</sup> Floor, Pt. Deendayal Antyodaya Bhavan,  
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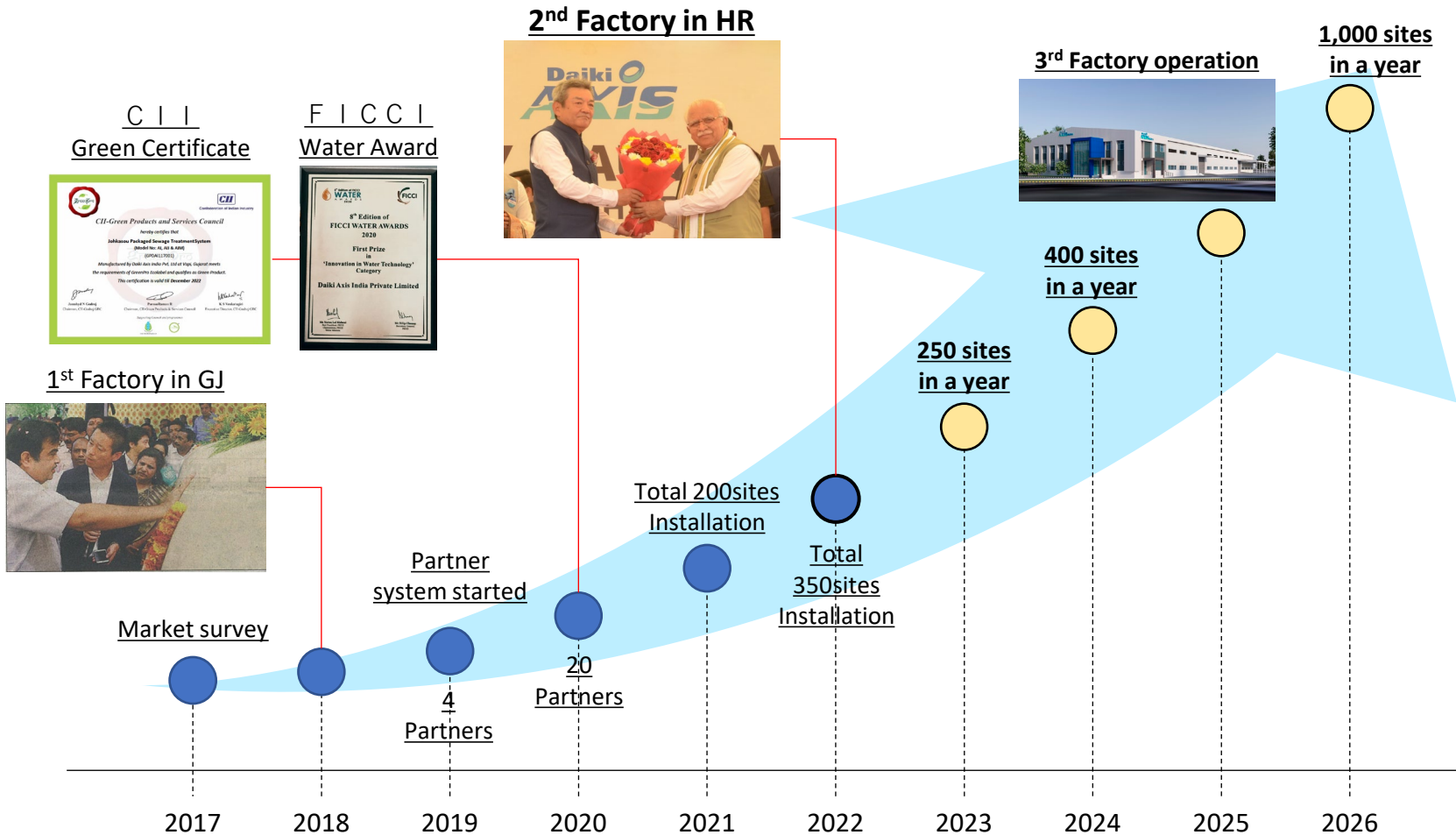
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Yours faithfully,  
*A. Muralidharan*  
(A. Muralidharan)  
Deputy Advisor  
email.: amdharan@gov.in

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Staff Officer to Principal Scientific Adviser/ Sr. PPS to Secretary, (DWS)/ PS to AS & Mission Director (JJM)/ PS to AS (SBM) for information please.

# India \_ Milestone & Future plan

- From 2017, we keep focusing to spread & increase recognize about Johkasou-STP in India. Now Central/Local government & advanced company recognized it, we are time to expand business





We believe...

Johkasou-STP lead to Active-Economic and Sustainable-Environment

Daiki Axis India Pvt. Ltd.

Director\_ Rio Waza

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