



Konark Fixtures Ltd.



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We represent water division under **Konark Fixtures Ltd** which is a division of Fifty years old **Konark Group**. We are serving the industry with our cost effective and innovative science-based solutions to domestic and industrial water treatment plants for more than two decades with a turnover of **150 Crores with a group turnover of 600 crores**.

We had completed successfully more than 400 projects and presently handling more than **50 operation** and maintenance contracts. With an experienced team of Technical, sales and Marketing, environmental, chemical, mechanical and electrical engineers, we are able to provide a wide variety of solutions for industries that require a specific water quality.

We ensure eco- friendly operations with our innovative Bio-Culture **KoSEM© Technology** along with **ZERO LIQUID DISCHARGE**.

Our Tailor-Made Bio-Culture Technology

KoSEM© – Konark’s Scientifically Enriched Microorganisms

At Konark, we are proud to introduce **KoSEM© Technology**, our proprietary **in-house developed bio-culture** system for water and wastewater treatment. This advanced solution is the result of over **5 years of dedicated R&D** by our expert scientific and engineering teams.

Key Advantages of KoSEM© Technology:

◆ Minimal Environmental Impact

Reduces ecological footprint and promotes greener operations.

◆ Space-Saving Design

Requires significantly **lower footprint**, ideal for space-constrained installations.

◆ Cost-Effective

Reduces **capital expenditure (CAPEX)** by **25–30%**.

◆ Operational Flexibility

Performs consistently even under **variable hydraulic and organic loads**.

◆ Improved Treated Water Quality

Enhances output quality by **up to 25%**, meeting stringent discharge norms.

◆ Lower Operating Costs

Reduces **operational expenditure (OPEX)** through improved efficiency and automation compatibility.



CERTIFICATIONS

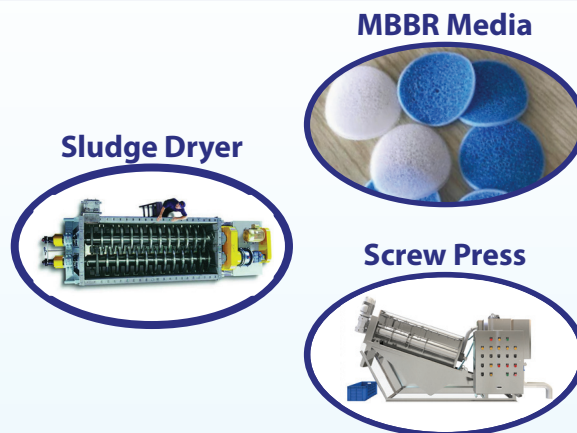
ISO 9001-2000, ISO 14001, Member of Water Quality Association



Konark is One Stop Solution for all your problems right from Designing to Commissioning the water treatment system.

Our water treatment systems:

- ♣ STP – Sewage Treatment Plants
- ♣ ETP – Effluent Treatment Plants
- ♣ WTP – Water Treatment Plants
- ♣ UF – Ultra Filtration Plants
- ♣ RO – Reverse Osmosis Plants
- ♣ DM – Demineralization Plants
- ♣ OWC – Organic Waste Composter
- ♣ Water Softeners
- ♣ Biogas Plants (Kitchen Waste)



Pre treatment:

- ♣ Clarification and Filtration, Oil Skimmers, Auto screens (vertical & horizontal)
- ♣ Neutralization systems, Auto dosing Systems, cooling towers, Vibrating Screens, Floating Aerators, Tube Settlers, Clarifiers

Water Treatment – Membrane-Based Filtration:

- ♣ Microfiltration
- ♣ Nano filtration (NF)
- ♣ Ultrafiltration (UF)
- ♣ Reverse Osmosis (RO)

Industrial Wastewater Treatment:

- ♣ Zero Liquid Discharge Systems
- ♣ MEE (Multiple Effect Evaporator),
- ♣ ATFD (Agitated Thin Film Dryer)
- ♣ **State-of-the-Art Technologies:**
 - ♣ MBBR – Moving Bed Bio Reactor
 - ♣ SBR – Sequential Batch Reactor
 - ♣ MBR – Membrane Bio Reactor
 - ♣ SAFF – Submerged Aerated Fixed Film
 - ♣ UASBR – Up flow Anaerobic Sludge Blanket Reactor
 - ♣ DAF – Dissolved Air Flotation

Our Products & Services:

- ♣ State-of-the-art design, engineering, installation, and commissioning services.
- ♣ Comprehensive operation and maintenance support by a team of skilled operators and technicians.
- ♣ Supply of chemicals, spares, consumables, filter media, and softener resins.
- ♣ Design and supply of sludge dewatering machines (Screw Press), Sludge Dryers, Condensate Polishers and Aeration/diffusers systems.
- ♣ Technical support for documentation and assistance in obtaining approvals from relevant government authorities.
- ♣ Revamping, upgrading, and augmentation of existing plants.



Konark Research Foundation:

KFL is strongly backed by Konark Research Foundation. It is fully automated and computerized Laboratory. It offers services in the field of Pharmaceutical, Agricultural, Chemicals, Residue analysis as well as consultancy in Water and Wastewater Treatment. The laboratory is approved & accredited by:

- ◆ FDA - Food & Drug Administration, Daman & Gujarat
- ◆ BIS - Bureau of Indian Standards
- ◆ NABL - National Accreditation Board of Laboratories
- ◆ FSSAI - Food Safety and Standards Authority of India
- ◆ MoEF - Ministry of Environment and Forests
- ◆ GPCB - Gujarat Pollution Control Board

Why Konark ?

We are fully equipped with advance manufacturing facilities and competent engineers, who are committed to provide complete customer satisfaction. Our innovative engineering concepts have enabled us to confront the most difficult challenges in the field. We offer our clients with broadest portfolio of products and services in the field of wastewater treatment including the services like: -

- ◆ Consultancy, Design & Engineering
- ◆ Augmentation and Revamping of existing plants
- ◆ Supply of mechanical / electrical equipment
- ◆ Supply of Water & Waste Water Treatment chemicals
- ◆ Erection (Installation) of plant & machinery
- ◆ Commissioning of treatment plants
- ◆ Piping works for treatment plants
- ◆ Operation and Maintenance of treatment plants

Konark ETPs has also won numerous awards, like Vasundhara Award, Golden Peacock Award, Frost & Sullivan Award etc.

Today we are treating more than 3.0 crore liters of waste water every day by the support of water and wastewater treatment division. We have been successful in treating the hazardous effluents of the industry through the environment friendly process known as bioremediation (KoSEM Technology). Bioremediation is an efficient biological treatment process which helps in taking care of fresh water bodies which are polluted due to discharge of inadequately treated effluent by many manufacturing companies.

The in house Developed Technology (KoSEM Technology) has received prestigious ASSOCHAM-2019 Award for Excellence in Water Management under Category of "Best Water Technology Adapted for Industrial Sector".

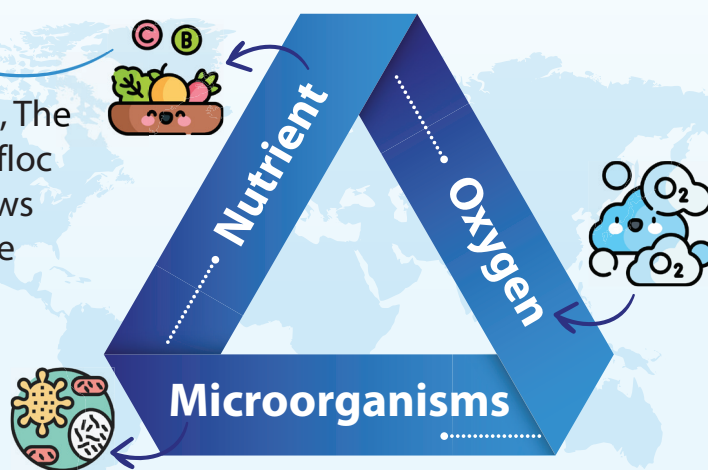


Konark's Scientifically Engineered Microorganisms (KoSEM) Technology

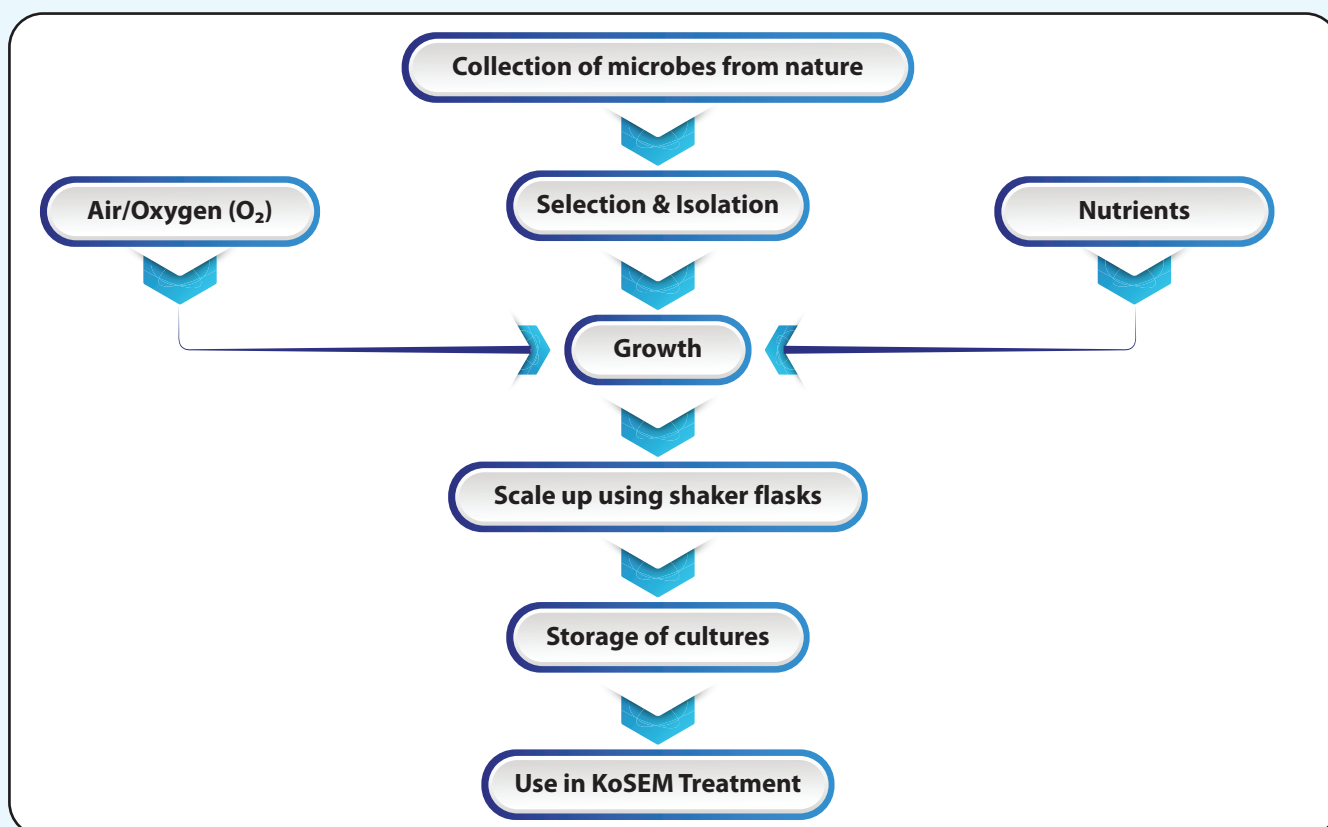
Konark Bioscience has been in the forefront of Research and Development in waste water treatment. We have developed a new concept of waste water treatment that does not require any primary chemical treatment. The technology named as KoSEM involves specially acclimatized microorganisms which actively participate in degradation of chemicals present in industrial waste water.

There are three essential components needed for KoSEM Technology. These three components are Microorganisms, Oxygen, and Nutrients. These three main components are known as the **KoSEM Triangle**.

KoSEM reduces BOD and COD by 97% to 98%, The TSS is also reduced substantially due to floc formation of consortia. This technology allows to increase the hydraulic load and reduce the size of the aeration tank. The KoSEM technology has been successfully used in various industries.



Method of Development of "KoSEM" Culture



Benefits of KoSEM Technology

- ◆ Minimal destruction of environment.
- ◆ No Chemical for Effluent Treatment
- ◆ Running cost is low.
- ◆ Less sludge generation.
- ◆ 100% Biological Sludge
- ◆ Guarantee of Outlet Treated Water Parameters

O & M Services - 24 x 7 x 365

Konark also offers O & M (Operation and Maintenance) Services for Domestic Sewage and Industrial Effluent Treatment Plants. We have undertaken AMC (Annual Maintenance Contracts) for many esteemed clients.

We have strict quality control measures during every stage of project execution and operations as per relevant standards and contract specifications.



EFFLUENT TREATMENT PLANT



CULTURE (KoSEM) DOSING SYSTEM



ULTRA FILTRATION PLANT



REVERSE OSMOSIS PLANT



SEWAGE TREATMENT PLANT (STP)



FABRICATED STP

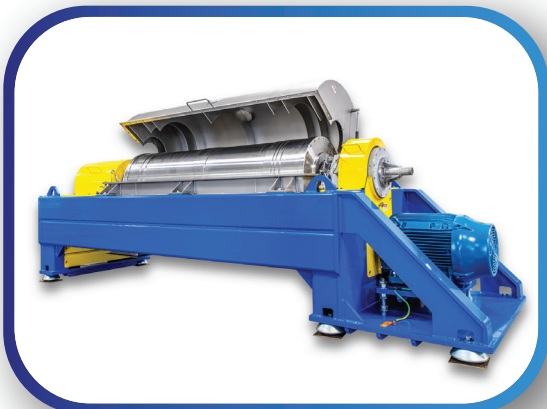


BIO GAS PLANT



SLUDGE DEWATERING UNIT

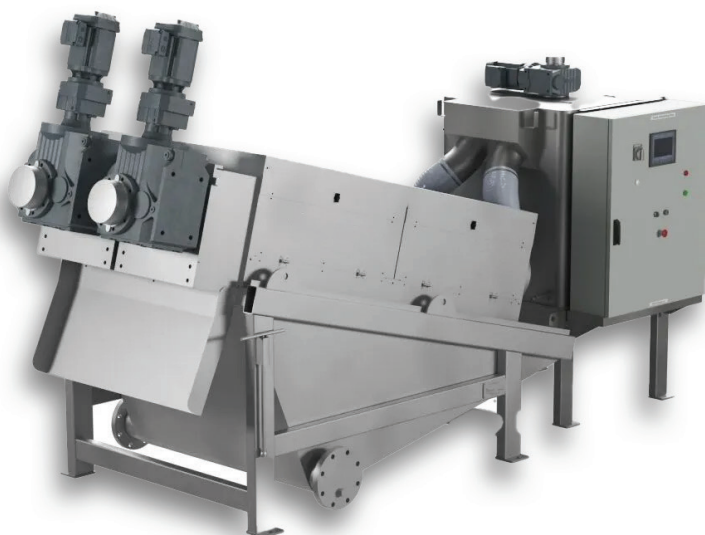
SLUDGE DECANTER



SLUDGE DRYER



SLUDGE VOLUTE



MULTI EFFECT EVAPORATOR (MEE) WITHOUT STEAM



Our Leading Clients

	 ADITYA BIRLA GROUP		 Kumar Builders®
 SHETH A Boral City Trust Sheth Developers Pvt. Ltd.		 Agrawal Builders Thinking Beyond Building An ISO 9001:2000 Certified Company REAL ESTATE • PROMOTERS • COLLABORATORS	 GPI GODFREY PHILLIPS — INDIA LIMITED —
 RUNWAL HOUSING An Association of happiness for lifetime ISO 9001:2000; ISO 14001:2004; ISO 18001:2007 CO	 AJMERA Built on trust	 CPWD	
 SR SHIRLEY RETREAT HOTEL			 Hindustan Unilever Limited
 raymondUCO Denim Private Limited	 i-flex i-flex solutions		 KEMROCK® Industries and Exports Limited
 KELKAR GROUP Ignite Possibilities.	 KELKAR GROUP Ignite Possibilities.	 NEELKANTH Group of Institutions	 एनटीपीसी NTPC A Maharatna Company
 Reliance Industries Limited	 RAMADA HOTEL & SUITES CONVENT CITY CENTRE	 ACKRUTI CITY LIFE TIME VALUE	 The Wadhwa Group Landmarks planned with passion
 TATA TATA COMMUNICATIONS	Navy Nagar	ACG Metalcrafts P. Ltd.	K. raheja constructions



Our Leading Clients



Awards/Achievements



(1) ASSOCHAM Water Management Excellence Award 2019 for Best Water Technology Adapted in Industrial Sector.



(2) FICCI Water Awards 2020 Second Prize in for Best Water Technology Adapted in Industrial Sector.

Awards/Achievements



(2) Golden Peacock Award-2019 (Raymond UCO Denim Pvt.Ltd, Yavatmal)



(3) Greentech Environment Award-2015 (Raymond UCO Denim Pvt.Ltd, Yavatmal)



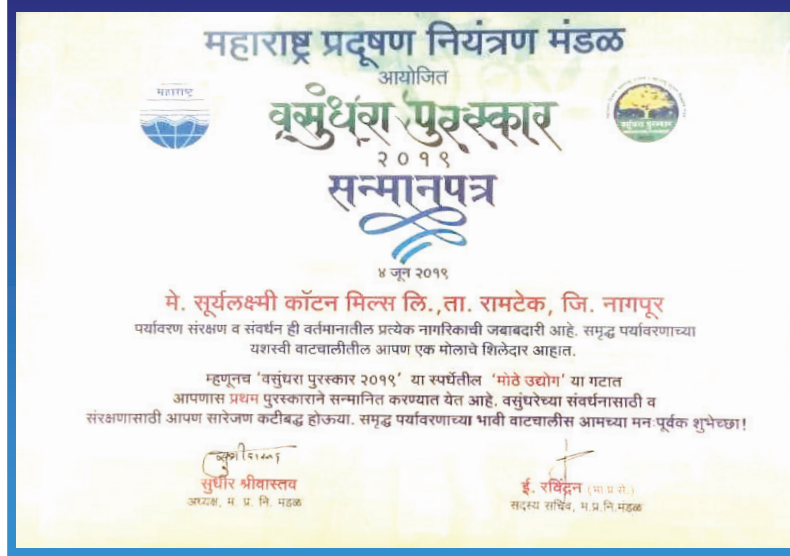
(4) Greentech Safety Award-2016 (Raymond UCO Denim Pvt.Ltd, Yavatmal)



(5) Greenntech Foundation Award-2019 (Raymond UCO Denim Pvt.Ltd, Yavatmal)



Awards/Achievements



(6) Vasundhara Award-2019 (Suryalakshmi Cotton Mill. Ltd, Nagpur)



(7) Vasundhara Award-2016 (Raymond Luxury Cottons Ltd., Kolhapur)

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