



SIREF SOLUTIONS
RE-CREATING GREEN FUTURE

Welcome to SIREF SOLUTIONS

Thank You for this opportunity to let us exhibit Who We Are and What We Do

OUR VISION

IMAGINE THE BEAUTIFUL WORLD WE ARE GOING TO LEAVE FOR OUR CHILDREN

WHERE THEY HAVE A CHOICE FOR A REFRESHING BATH IN CRYSTAL CLEAR WATER BODIES.

OUR FUTURE GENERATIONS CAN ENJOY THEIR FAMILY VACATION ON BEAUTIFUL BEACHES IN INDIA ONLY.

THEY ARE FEELING MESEMRIZED IN RIVER SIDE HOLIDAY DESTINATIONS IN INDIA.



Who We Are



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SIREF is a team of Engineers, Environmentalists and Entrepreneurs working dedicatedly together for solutions on building the waste to an asset rather than liability in mutual interest of business operations, society and the environment.

Our name translates our purpose to engineer the solutions of kind:

- S – Simple
- I – Innovative
- R - Reliable
- E- Environment
- F- Friendly

We invite our Client's to join us and allow us to serve, so that together we can contribute our sincere efforts in creating a beautiful, clean & green future for our children.



What We Do



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We have a wide range of solutions on waste management focused on optimization at resource consumption, reduced waste generation and recycling of the maximum possible waste with the highest degree of treatment.

We take into account the technical as well as the economical viability of the project from the point of view of execution, operation, maintenance and life cycle costs.

We ensure comprehensive service support in the project life cycle for continual performance of the systems.

We also provide assistance in Legal and Administrative Approvals including Compliances.

WATER TREATMENT
& MANAGEMENT

WASTEWATER
RECLAMATION &
REUSE

SOLID &
HAZARDOUS
WASTE
MANAGEMENT

PROJECT
CONSULTATION &
EXECUTION

ENVIRO-LEGAL
CONSULTATION

Water Treatment and Management



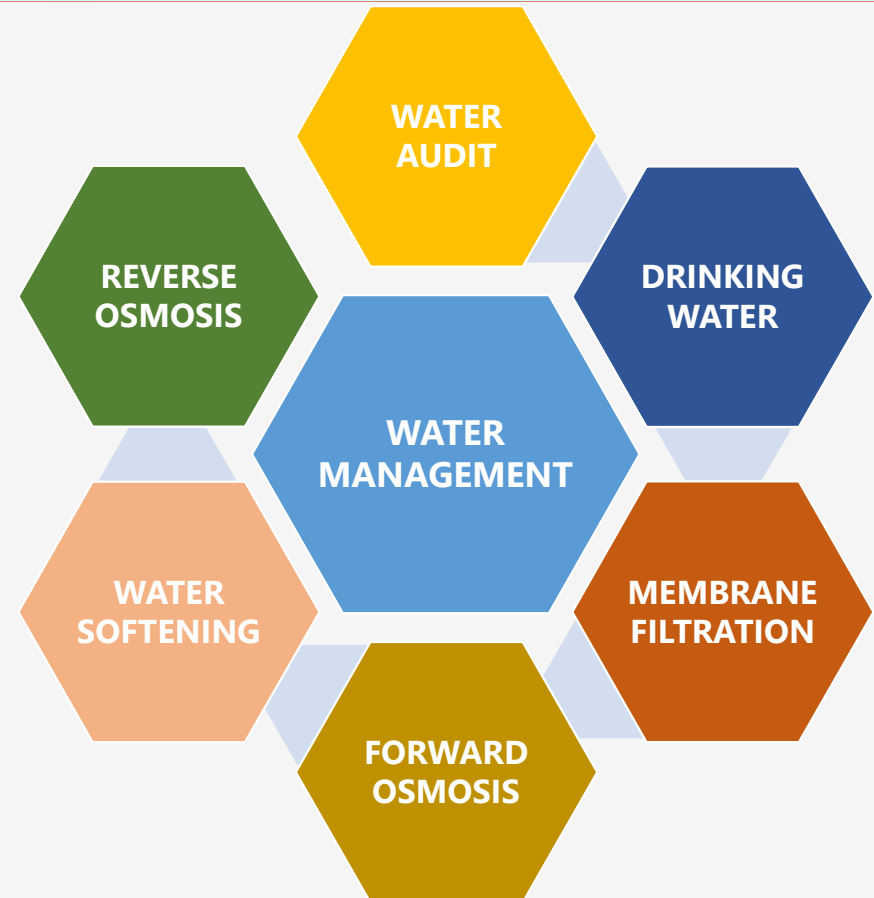
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According to a recent report by United States-based think tank World Resources Institute, **India is the 13th most water stressed country** and is home to more than 3 times the population of the other 16 worst-affected countries combined.

A 2018 study by NITI Aayog estimated that **21 Indian cities will run out of groundwater by 2020.**

Hence we conduct Water Audit Studies to optimize on the water consumption and propose the suitable water treatment process based on the end use applications.

This also leads to optimization of Project Costs for Water Treatment and Management.



Wastewater Management



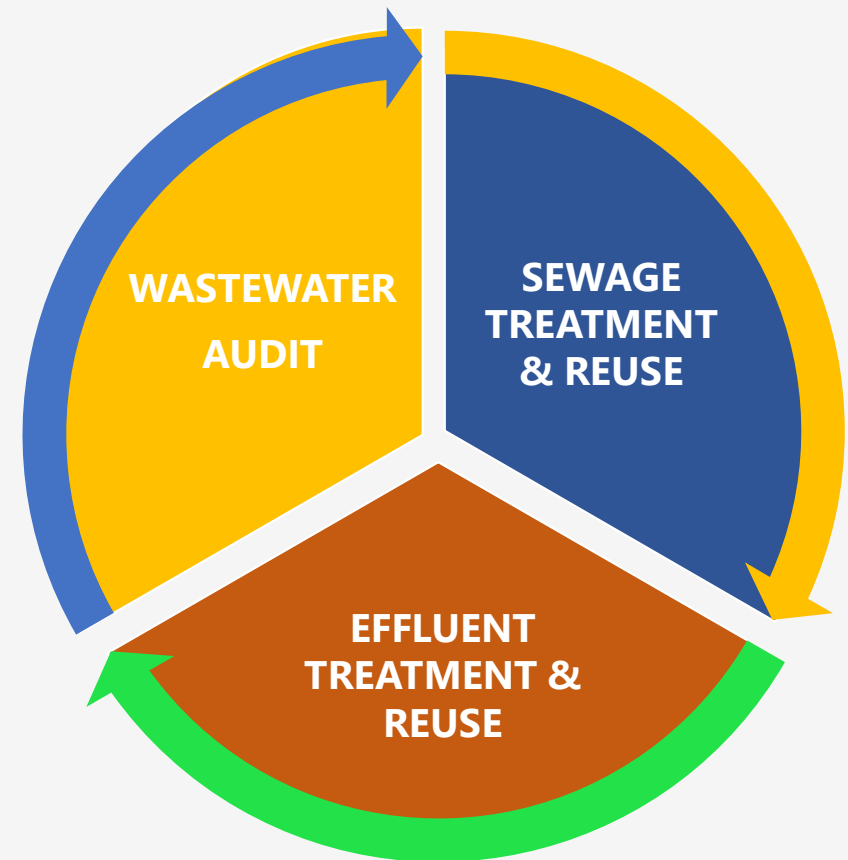
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The recent norms by NGT (National Green Tribunal of India) have been revised stringently in April 2019. The laws emphasize on reuse of treated wastewater.

The challenge most of the time is the degree of treatment that needs to meet the required water quality standards for reuse application.

Hence we conduct wastewater audit to assess the scope of optimization for wastewater generation at source, w.r.t. characteristics of sewage and effluent for designing a suitable treatment process as per the reuse applications.

We support our Nation and Client's in 'Use, Treat and Reuse' approach for wastewater management on the principles of circular economy.



Solid & Hazardous Waste Management



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Organic Solid Waste is a fuel that propels growth towards clean and green future by its conversion to nutrient rich manure and bio-energy.

We engineer the treatment systems for treatment of Organic Solid Waste to tap this asset.

We support our Client's in managing and monitoring the Hazardous Waste (HW) as per statutory compliance HW Storage, Utilization, Co-processing, Re-processing, Disposal etc. and submission of HW documents to concerned PCB/ PCC.

We also provide assistance in obtaining Authorizations in the form of Consent for Hazardous Waste and EPR for Plastic Waste along with post EPR Compliances.

**ORGANIC WASTE
TO COMPOST**

**ORGANIC WASTE
TO BIOGAS**

**HAZARDOUS
WASTE AUDIT &
MONITORING**

**HAZARDOUS
WASTE
AUTHORIZATION
& COMPLIANCES**

**EPR
AUTHORIZATION
FOR PLASTIC
WASTE**

PROJECT CONSULTATION



SIREF covers a wide spectrum of Environmental Engineering for Project Management mapped into the following stages of Project Cycle:

- ✓ Pre-feasibility Studies and Concept Planning
- ✓ Detailed Engineering Studies and Block Cost Estimation
- ✓ Preparation of Technical Specifications and Bid Documents
- ✓ Project Execution, Monitoring and Control
- ✓ Procurement Assistance and Project Inspection Post Execution



ENVIRO-LEGAL CONSULTATION



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SIREF provides assistance in obtaining Legal and Administrative Approvals required at various stages of Project including:

- ✓ Consent To Establish
- ✓ Consent To Operate
- ✓ Post EC Compliances
- ✓ NOC for Groundwater Extraction
- ✓ Authorization for Hazardous Waste Utilization & Disposal
- ✓ Post EPR Compliances
- ✓ Assistance in NGT Litigation Cases



THANK YOU



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LET'S SAVE PRECIOUS NATURAL RESOURCES FOR OUR CHILDREN



**\$ LET'S JUST NOT INVEST IN STOCKS & FUNDS ₹
BUST ALSO IN CLEAN WATER & AIR FOR OUR CHILDREN**

**LET'S CONTRIBUTE TO A GREAT HEALTHSET FOR OUR CHILDREN,
MOTHER EARTH & MOTHER NATURE**



We can be reached at : info@sirefsolutions.com

