



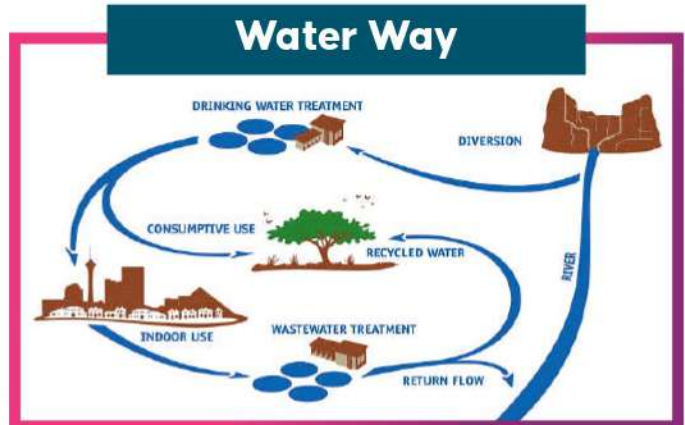
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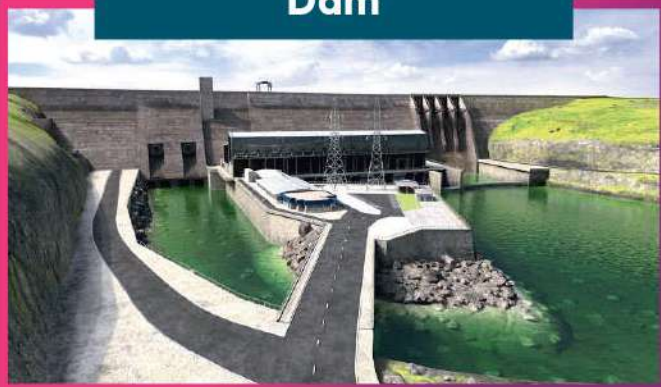
Irrigation Reservoir



Water Way



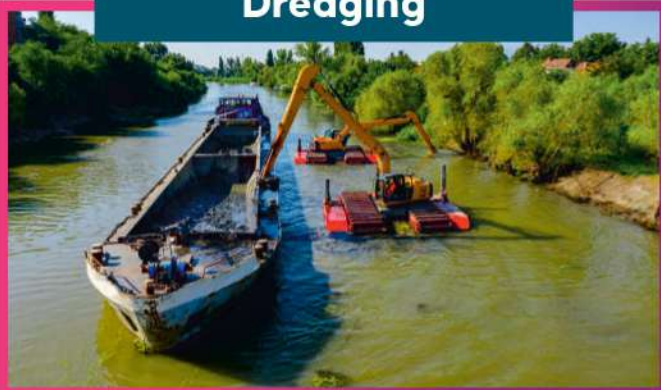
Dam



Water Resources



Dredging



PMC



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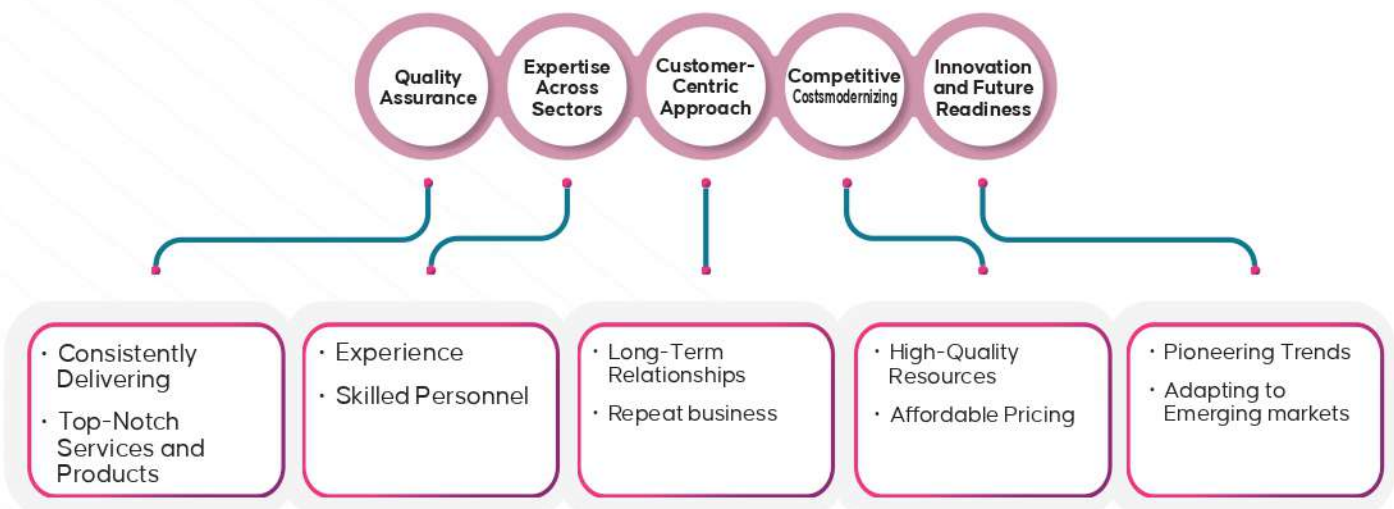
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Why Us?



Irrigation Reservoir

SG SHIVA GROUP is committed to modernizing irrigation & tackling drought challenges nationwide. We specialize in constructing hydraulic structures, including dams, canals, and irrigation systems. With numerous successful projects, we enhance water access for underprivileged farmers, improving their livelihoods. Our services range from developing new irrigation systems to upgrading existing ones, ensuring sustainable water management.



Indian Rivers Interlinking Projects

India's River Linking Project is a massive initiative to connect 37 rivers through canals and reservoirs, addressing water scarcity, irrigation, and flood control. With around 3,000 proposed dams, the project aims to transfer water from surplus to deficit regions, boosting hydropower and agriculture. Despite challenges, it remains a crucial solution to India's water crisis.



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Dam Construction

A dam is a structure built across a river or stream to hold back water. People have used different materials to build dams over the centuries. Ancient dam builders used natural materials such as rocks or clay. Modern-day dam builders often use concrete.



Dredging and Deepening Works

Introduction

Dredging - The process of removing sediments, debris, and pollutants from water bodies like rivers, lakes, and ponds. **Deepening** - Increasing the depth of water channels to enhance navigability and storage capacity.



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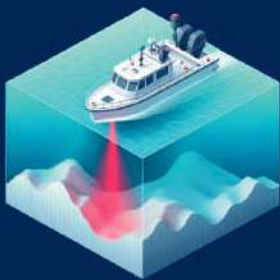


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Aimed at maintaining or increasing the

Depth of Waterways for Navigation



Port & Waterway Maintenance



Pollution Control



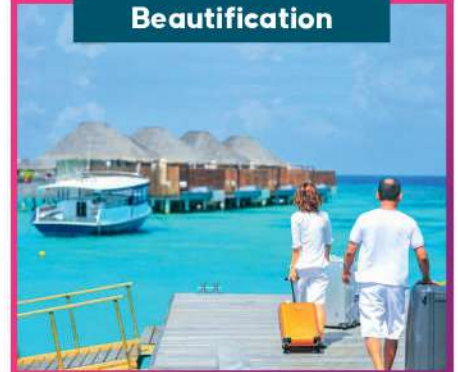
Flood Prevention



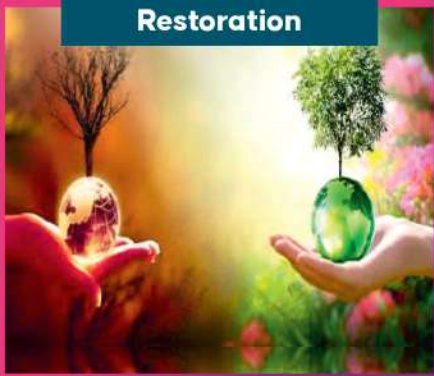
Lake & Pond Restoration



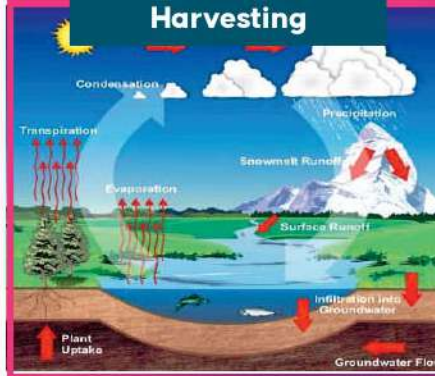
Tourism & Beautification



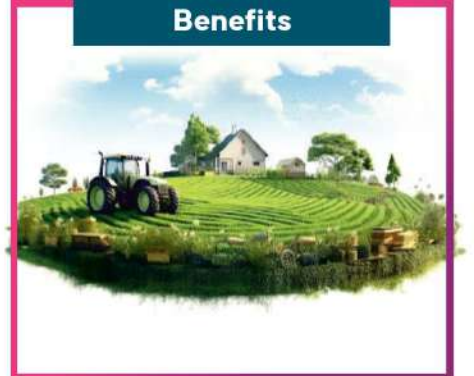
Environmental Restoration



Rainwater Harvesting



Agricultural Benefits



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Benefits – Short Term

- **POLLUTION REDUCTION:** Removes sludge, silt, and debris, improving water quality
- **ENHANCED WATER QUALITY:** Promotes oxygenation and reduces pathogenic bacteria
- **RECREATION AND TOURISM:** Beautifies water bodies, creating opportunities for gardening, recreational facilities, and increased tourism activities.
- **FLOOD PREVENTION:** Deepens waterways to mitigate flooding risks effectively.
- **IMPROVED ACCESSIBILITY:** Facilitates navigation in shallow water zones for industrial and construction purposes.
- **EFFICIENT OPERATIONS:** Reduces operational costs and increases productivity with versatile machinery like Water King.

Benefits – Long Term

- **SUSTAINABLE ECOSYSTEM RESTORATION:** Supports bioremediation techniques to rejuvenate aquatic ecosystems and maintain ecological balance over time.
- **GROUNDWATER RECHARGE:** Incorporates solutions to enhance groundwater levels, ensuring sustainable water availability.
- **AGRICULTURAL SUPPORT:** Treats polluted water for irrigation purposes, safeguarding agriculture against contamination.
- **CONSERVATION OF RESOURCES:** Preserves natural water resources for future generations, aligning with environmental sustainability goals.
- **EMPLOYMENT OPPORTUNITIES:** Drives local economic growth by creating jobs in beautification and restoration projects.

Case Studies & Success Stories

- » Lake Restoration and Beautification Project
- » Dredging Solutions for River Maintenance
- » Industrial Pond Cleaning and Maintenance
- » Combatting Eutrophication in Lakes and Ponds
- » Flood Mitigation and Environmental Cleanup

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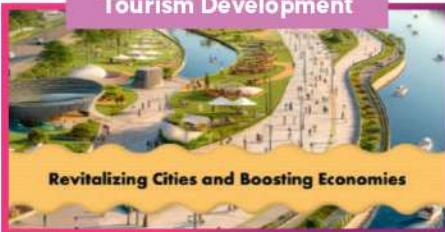
Monetary Gain

- ✓ Improved water storage enhances irrigation coverage.
- ✓ Better irrigation boosts crop yields and agricultural productivity.
- ✓ Higher crop yields increase farmers' income, driving economic growth.
- ✓ Strengthened agriculture supports regional and national development.

Enhanced Agricultural Productivity



Tourism Development



Revitalizing Cities and Boosting Economies

- ✓ Beautified water bodies attract tourists through boating and water sports.
- ✓ Increased tourist activity generates revenue for local businesses.
- ✓ Boosts income for the hospitality sector and supports regional economic growth.

- ✓ Silt and debris from dredging repurposed as fertile soil.
- ✓ Reduces soil procurement costs for nearby farmers.
- ✓ Generates additional income through soil sales to agricultural stakeholders

Revenue from High-Grade Soil



Revenue from High-Grade Soil

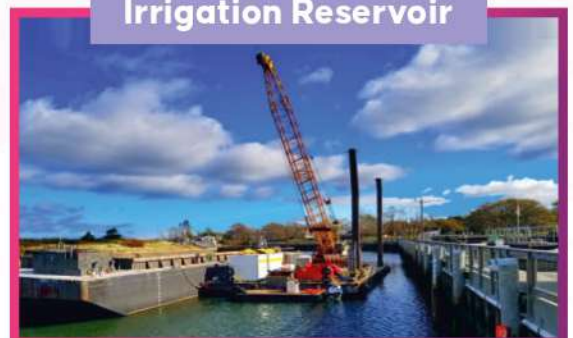


- ✓ Flood prevention reduces costs of damage control and reconstruction.
- ✓ Minimizes expenses from insurance claims and disaster recovery efforts

Irrigation Reservoir



Irrigation Reservoir



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