



AANJANEYA
INTERNATIONAL

Water & Wastewater Treatment Solutions

PRODUCT CATALOG



Aeration



Screening



Dewatering



Automation



Chemicals

Solutions Beyond Purity.



About Us

Aanjaneya International

Engineering Water. Delivering Performance.

Established in 2003, **Aanjaneya International** is a fast-growing EPC (Engineering, Procurement & Construction) company specialising in complete water and wastewater treatment solutions.

Founded by Mr. Shashikant Sharma and now led by Mr. Shivam Sharma, the company has built a strong reputation for delivering reliable, efficient and cost-effective solutions across a wide range of industries.



What We Do

We provide end-to-end EPC solutions, covering:

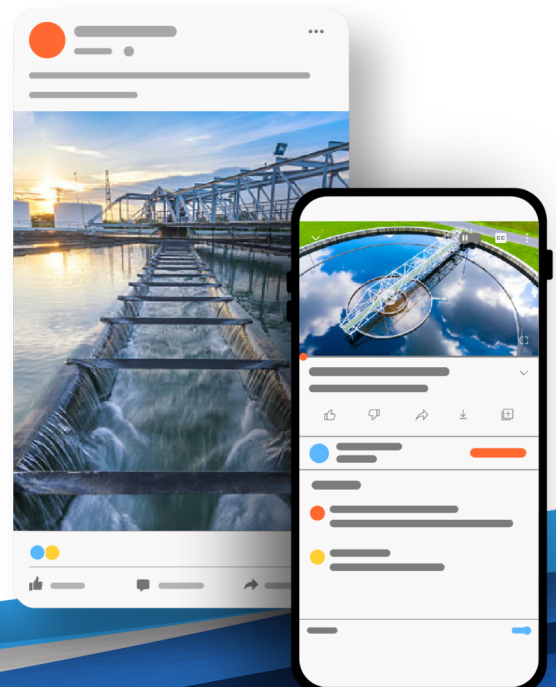
- Aeration Systems (Diffusers & Aerators)
- Bio-Media (MBBR, SAFF, Tube Settler)
- Screening Systems
- Dewatering Systems (Filter Press, Screw Press, Decaners)
- Complete Civil Works for STP & ETP Plants

From **design and supply to installation and commissioning**, we ensure complete project execution under one roof.

Industries We Serve

We cater to a wide spectrum of sectors including:

- Municipal & Government Projects
- Industrial & Manufacturing Units
- Paper, Textile & Chemical Industries
- Food & Pharmaceutical Industries
- Residential & Commercial Developments



About Us

Aanjaneya International

Our Vision

To become a one-stop solution provider for the water treatment industry, taking responsibility for improving and managing water resources across India and expanding globally as a trusted leader in sustainable water solutions.

Why Choose Us

We don't just supply equipment; we take complete responsibility for your plant performance.

Our approach combines:

- Technical understanding
- Practical execution
- Long-term support

Making us a **reliable partner**, not just a vendor. We proudly cater our respected clients with a wide variety of Services:



Aeration



Screening



Civil Work



Dewatering



Automation



Chemicals



Electrical

Our Esteemed Clients

ISWP | BALCO | Kuantum Papers Ltd. | Nirmal Fiber | GlaxoSmithKline | Mahavir Spinning Mills | Panipat Cooperative Sugar Mills | DCM Loni | Dabur Rudrapur | Britannia | Nahar Spinning Mills

AERATION

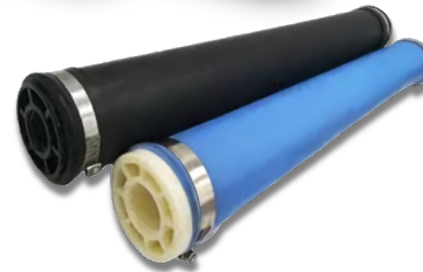
DIFFUSERS

TYPE - Coarse & Fine bubble Disc Type | Tube Type

APPLICATIONS - STP, ETP, MBBR, SBR, ASP, WTP

USP - Special NRV Technology German Punching

PARAMETER	DISC	TUBE
SIZE	9" 12"	63 x 610 mm 63 x 1000 mm 90 x 1000 mm
AIR FLOW	2.5 - 6.0 m ³ /hr 4.2 - 11.0 m ³ /hr	2.0 - 7.0 m ³ /hr 6.0 - 10.0 m ³ /hr 8.0 - 14.0 m ³ /hr
OTE	30%	25-38%
TEMPERATURE TOLERANCE	Max. 85°C	Max. 85°C
MATERIAL	EPDM/Silicon	EPDM/Silicon/PU



- Different types of perforations according to the operating conditions.
- Precise die cut openings for high oxygen transfer efficiency and low head loss

Long Life Membranes



AERATION

SURFACE AERATORS

APPLICATIONS - Generally used in sewage treatment plants/ effluent treatment plants, To improve the bod/cod levels in the effluent water by transferring oxygen from atmosphere.

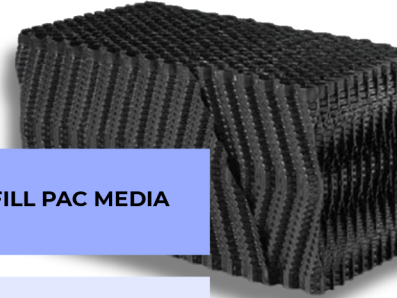


PARAMETER	FLOATING	FIXED-TYPE	JET-TYPE
SPEC.	3 HP - 75 HP	3 HP - 75 HP	10 - 200 m ³ /h
MOC	MS - E250 E350 SS - 304/304L/316/316L Super Duplex SS	MS - E250 E350 SS - 304/304L/316/316L Super Duplex SS	MS - E250 E350 SS - 304/304L/316
OTE	1.6 - 1.8 kg/HP/hr	1.6 - 1.8 kg/HP/hr	1.2 - 2.0 kg O ₂ /kWh



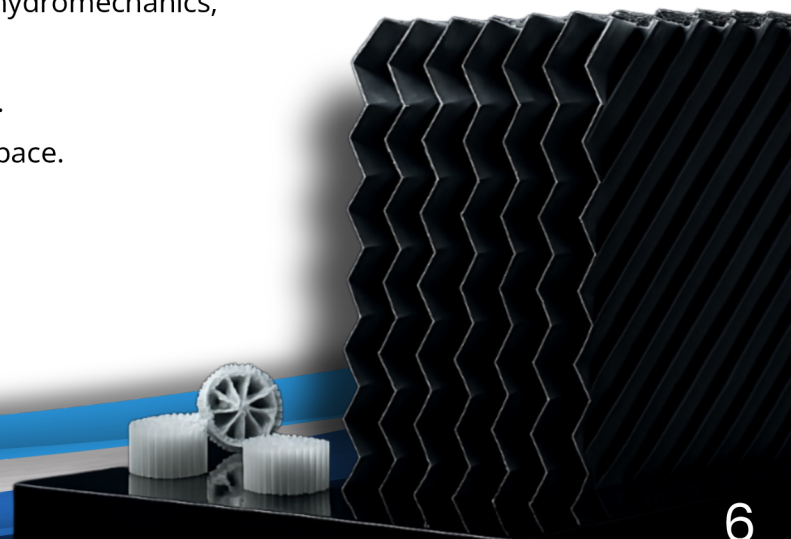
AERATION

BIO MEDIA



SPECS.	TUBE SETTLER	MBBR & MBR MEDIA	BIOPAC MEDIA	SAFF MEDIA	FILL PAC MEDIA
SHAPE	Hexa & Square	Cylindrical w/ Fins	Trapezoidam Cylindrical	-	Cylindrical w/ Ribs
MOC	PVC	Virgin PP UV Stabilized	PP	PVC	Self Supporting w/ concrete ribs
THICKNESS	1.1 mm(±0.1mm)	25mm & 22mm dia	32mm dia	0.2mm 0.3mm 0.4mm	187mm dia
Operating TEMP.	55°C	5-45°C 80°C	-	-	80°C
FITTING Arrangement	Tongue & Groove Pasting	-	-	Counter Flow & Cross Process	-
COLOUR	Black	Black White	Black	Black	Black

- Special design of Surface, Stronger biofilm growth capacity.
- Large specific surface area, high voidage, and more periphyton biomass.
- Unique design of structure and shape according to hydromechanics, strong 3d flow dynamics in water.
- Excellent impact strength, strong gas shear capacity.
- Without any holder, easy to cure, save energy and space.

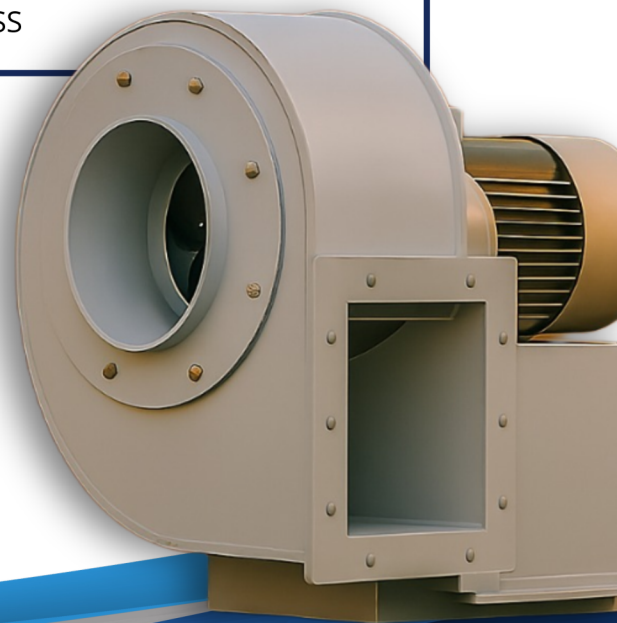


AERATION

CENTRIFUGAL FANS / BLOWERS

PARAMETER	SPECIFICATION
CAPACITY	100 - 50,000 m ³ /hr
PRESSURE	100 - 2000 mmWC
EFFICIENCY	70 - 89%
IMPELLER TYPE	Backward / Forward Curved
SPEED	500 - 3600 RPM
POWER	1 - 500+ HP
MATERIAL	MS / SS

- HIGH EFFICIENCY AIR DELIVERY
- LOW VIBRATION & NOISE
- SUITABLE FOR AERATION & VENTILATION

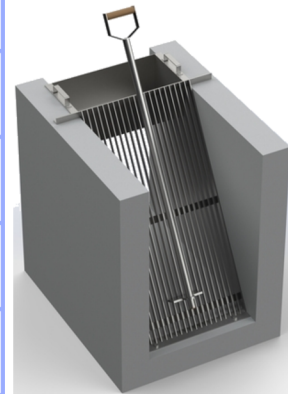


SCREENING

SCREENS

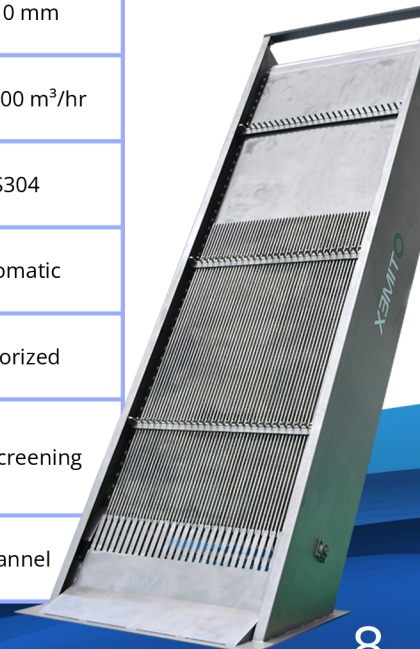
- MANUAL SCREENS

TYPE	BAR SCREEN	FINE SCREEN	DRUM SCREEN
Screen Opening	10 - 50 mm	1 - 10 mm	0.5 - 5 mm
Flow Capacity	Up to 500 m ³ /hr	Up to 300 m ³ /hr	10 - 500 m ³ /hr
Material	SS304 / MS	SS304 / SS316	SS304 / SS316
Operation	Manual	Manual	Semi/Auto
Application	Coarse Solids Removal	Fine Solids Removal	Continuous Screening
Installation	Channel Mounted	Channel Mounted	Inline / Channel



- AUTOMATIC SCREENS

TYPE	RAKE BAR SCREEN	ROTARY DRUM SCREEN	SCREW COMPACTOR	STEP SCREEN
Screen Opening	10 - 50 mm	0.5 - 5 mm	5 - 20 mm	3 - 10 mm
Flow Capacity	100 - 2000 m ³ /hr	10 - 500 m ³ /hr	5 - 500 m ³ /hr	50 - 1000 m ³ /hr
Material	SS304 / SS316	SS304 / SS316	SS304	SS304
Operation	Automatic	Automatic	Automatic	Automatic
Drive Type	Motorized	Motorized	Motorized	Motorized
Application	Heavy Solids Removal	Fine Screening	Dewatering of Screenings	Fine Screening
Installation	Channel	Inline / Channel	Outlet Discharge	Channel



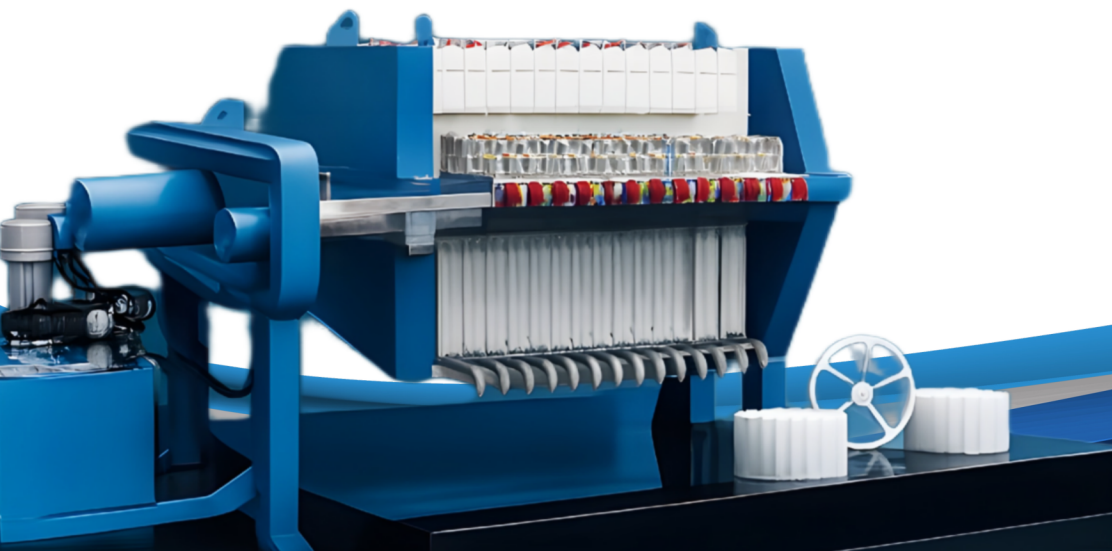
DEWATERING

PRESSES

TYPE	SCREW PRESS	VOLUTE PRESS	FILTER PRESS	BELT PRESS
CAPACITY	0.5 - 100 m ³ /hr	0.5 - 75 m ³ /hr	1 - 500 m ³ /day	5 - 200 m ³ /hr
CAKE DRYNESS	15 - 35 %	16 - 30 %	25 - 40 %	15 - 25 %
POWER	0.3 - 10.0 kW	0.2 - 6.0 kW	1.5 - 30.0 kW	0.75 - 10 kW
OPERATION	Continuous	Continuous	Batch	Continuous
POLYMER USE	Low	Very Low	Medium	Medium
APPLICATION	STP/ETP Sludge	Biological Sludge	Industrial Sludge	Large flow Sludge

Compact design
Low maintenance
Efficient sludge reduction
Low Noise and Vibration levels
Wide Use Applications

Affordable Spare Parts
Both Manual and Auto modes
High Quality workmanship
Simple installation and operation
Economical Operation



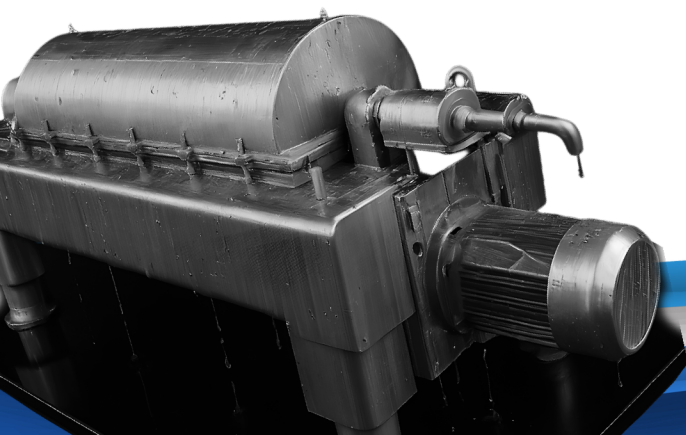
DEWATERING

DECANTERS

TYPE	DECANTER - SBR	DECANTER - CENTRIFUGE
CAPACITY	10 - 900 m ³ /hr	0.5 - 100+ m ³ /hr
CAKE DRYNESS	NA (Only Water)	18 - 35 %
PIPE SIZE	100 - 900 mm (4" to 36")	50 - 300 mm (2" to 12")
OPERATION	Batch (Cycle-Based)	Continuous
G-FORCE	~ 1 G (Only Gravity)	1500 - 4500 G
MATERIAL	SS304/SS316	SS304/SS316

Reduces sludge volume
Cuts down on transport costs
Low maintenance
Low disposal Cost
Compact and modular Design
Small Footprints

High-speed Performance
High processing Capacity
Wide Use Applications
Low Energy Consumption
Economical Operation



AUTOMATION

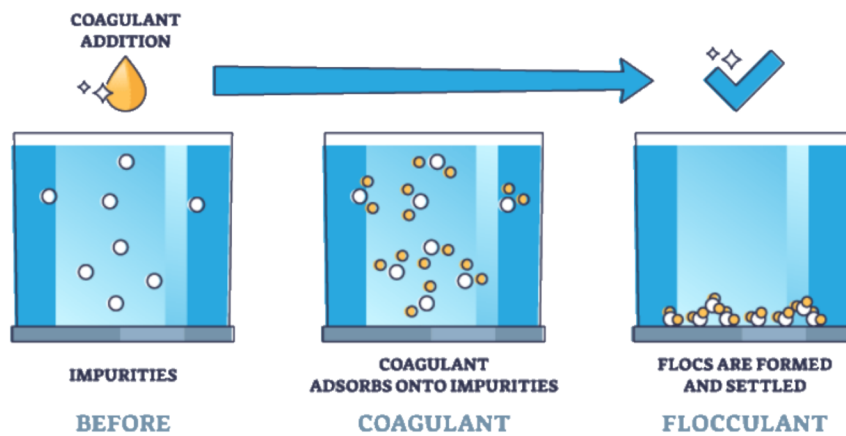
ACTUATORS & CONTROL SYSTEMS

TYPE	PNEUMATIC ACTUATOR	ELECTRIC ACTUATOR	LIMIT SWITCH BOX	PRESSURE SWITCH
TORQUE	4 - 400 Nm	10 - 2000 Nm	NA	NA
PRESSURE	3 - 8 bar	NA	NA	0 - 10 bar
VOLTAGE	NA	230V / 415V	NA	24V / 230V
PROTECTION	IP65 / IP67	IP65 / IP67	IP65 / IP67	IP65
MOUNTING	ISO / NAMUR	ISO	NAMUR	Panel

SENSORS & ANALYZERS

PARAMETER	DO SENSOR	FLOW METER	LEVEL (HLT)	pH/COD/BOD Analyzer
RANGE	0 - 20 mg/L	0.1 - 10 m/s	0 - 10 m	Varies
OUTPUT	4 - 20 mA	4 - 20 mA	4 - 20 mA	Digital / Analog
ACCURACY	±0.2 mg/L	±1%	±0.5%	±1 - 2%
APPLICATIONS	Aeration Control	Flow Monitoring	Tank Level	Water Quality

CHEMICALS



COAGULANTS + BIO CULTURE

TYPE	PAC	ALUM
DOSAGE	50 - 200 ppm	100 - 300 ppm
pH RANGE	5 - 9	6 - 8
APPLICATION	Turbidity Removal	Clarification

FLOCCULANTS / POLYMERS

TYPE	CATIONIC	ANIONIC
DOSAGE	1 - 10 ppm	1 - 10 ppm
FORM	Powder/Liquid	Powder/Liquid
APPLICATION	Sludge Dewatering	Solid Settling

CIVIL WORKS (EPC SCOPE)

Integrated Civil Solutions for Water Treatment Plants

At Aanjaneya International, we provide **complete civil execution** as part of our EPC offerings, ensuring seamless integration with mechanical and electrical systems.

Our civil works are designed with a focus on **structural strength, durability,** and long-term performance for water and wastewater treatment applications.

Scope of Civil Works

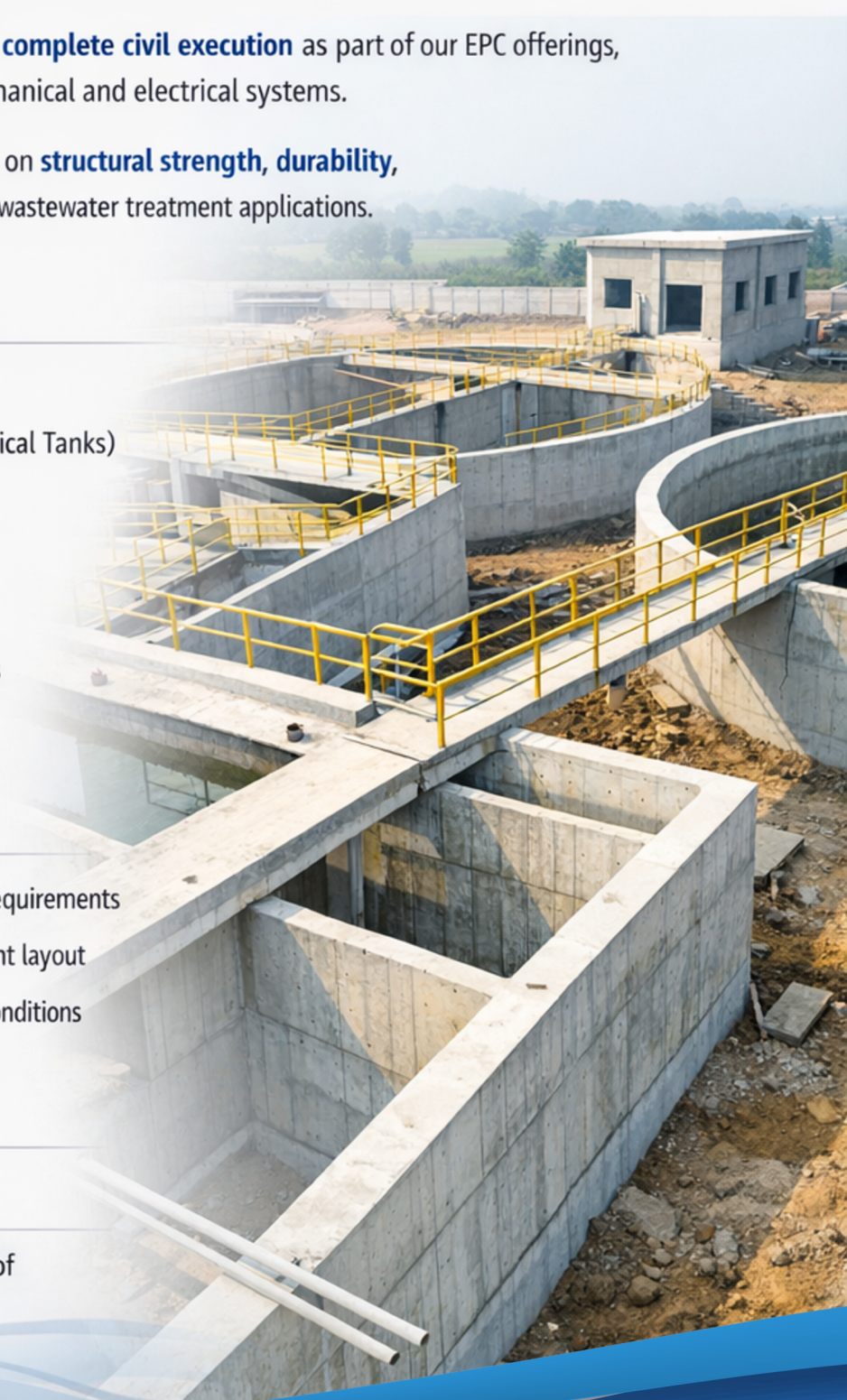
- ▶ Excavation & Earthwork
- ▶ RCC Tanks (Aeration, Clarifier, SBR, Chemical Tanks)
- ▶ PCC Foundations & Structural Bases
- ▶ Pump House & Equipment Foundations
- ▶ Pipe Supports, Walkways & Platforms
- ▶ Waterproofing & Anti-Corrosive Coatings
- ▶ Internal Finishing (Epoxy / Tile Lining)

Design & Execution Highlights

- ✓ Designed as per IS Standards & project requirements
- ✓ Integration with process design & equipment layout
- ✓ Optimized for hydraulic efficiency & load conditions
- ✓ Leak-proof and long service life structures

Complete EPC Responsibility

Civil works are executed as an integral part of our end-to-end EPC solutions.





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