



The reliable  
environment partner

**PARYAAVARNEER**





## About Us

Paryavarneer Engineers & Consultants Private Limited (PEC) is a professional, total environment management company. PEC specializes in offering comprehensive and integrated solutions for specific industry or application.

We have the domain expertise to offer integrated package comprising consulting, legal compliance, design, supply, installation, commissioning and operations. We offer end-to-end services and fulfill all the environmental requirements of your organization.

## Management Team

### **Mr. Arjun R**

Chairman & Managing Director

B.E. in Environmental Engineering graduate. He possesses hands-on experience of over 9 years in water and wastewater treatment solutions, operational management, project planning and execution. His key areas of expertise include water and wastewater solutions, management system implementation, waste management solutions and compliance management.

He is a certified lead auditor for Quality Management System (ISO 9001:2015)

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### **Mr. Ravitej Hegde**

CEO & Director

B.E. in Environmental Engineering graduate. Sustainability and Environmental Management professional with 9 years of experience in varied sectors including steel, automobile and consulting.

His key expertise areas include Corporate Sustainability & Climate Change, Water & Wastewater Management, Environmental Quality Monitoring & Environmental Management System. He is a CII certified assessor for Sustainability & Climate Action Program.

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### **Mr. Raghu H**

Director

B.Sc. in Chemistry graduate. He is a veteran of over 40 years in the field of aromatic and fertilizer chemicals manufacturing, water treatment plants stabilization and efficiency enhancement, mechanical equipment installation and maintenance.

Designed by Environmental Engineers, we choose right technology for specific location, considering extent of reuse, space availability, budget availability, ground aspects, ease of operation and product life.



### ◀ **Sewage Treatment Plant (STP)**

PEC develops sewage treatment solutions that are adapted to local site conditions, and are aimed at treating the sewage to meet the quality required for the intended application of the treated water. PEC takes the due consideration of operational ease of the plant, an insight gained by the operation and maintenance of the STPs. Based on the customer requirement, we supply STPs of following proven technologies on turn-key basis:

**SBR**

**ASP**

**Reedbed**

**MBR**

**MBBR**

Our expertise also lies in:

• Revamping • Troubleshooting • Automation • Packaged STPs



### ◀ **Effluent Treatment Plant (ETP)**

Our ETP solutions are developed by assessing effluent characteristics, variations in the characteristics and industrial processes. Our end-to-end solutions are designed in consideration with applicable discharge standards, intended use of treated water, operational cost, waste generation and its disposal. We possess the capabilities to provide ETP solutions to various sectors and for effluent with varied characteristics.



### ◀ **Water Treatment Plant (WTP)**

From residential complex to the industrial processes, we aim to provide the most apt solution to our customer. We focus on the intended use of treated water, while deciding the appropriate technology. We design and manufacture following water treatment products on turn-key basis:

**Filters**

**Clarifiers**

**Softener**

**Reverse Osmosis (RO) Plant**

**Demineralisation (DM) Plant**

**PRODUCTS**





## ◀ Speciality Chemicals

Our chemicals help Customers to improve the performance of treatment, control deviations in quality and in better management of water. Our chemical portfolio includes :

- Pre-treatment Chemicals (coagulants, flocculants, defoamers)
- Cooling Tower Chemicals (scale inhibitor, corrosion inhibitor, bio-dispersant, biocide, cleaner for chiller)
- RO Chemicals (antiscalant, biocide, membrane cleaner)
- Boiler Chemicals (Oxygen scavenger, filming & neutralizing amine, pH booster, sludge conditioner)



## ◀ Filters

Our filtration systems are designed after understanding the specific need for filtration and expectations from the customer. Different types of filters that we manufacture are :

- Pressure Sand Filter ( PSF)
- Activated Carbon Filter (ACF)
- Dual Media Filter ( DMF)
- Micron Cartridge Filter (MCF)



## ◀ Reverse Osmosis (RO) & Ultrafiltration (UF) Membrane

We deal with TORAY make RO & UF membrane, which provides high membrane area and low fouling rate compared to other membranes. TORAY is a Japanese manufacturer of membranes since 1967 and world's largest manufacturer of membranes. TORAY has 4 distinguished class of RO membranes with minimum salt rejection of 99.5%.

Brackish Water : For low TDS water in the range of 200-5000 mg/L

Low Fouling : To treat water with high fouling tendency

Sea Water : For high TDS water with TDS more than 5000 mg/L

Speciality : For speciality applications such as Food, Dairy, Beverages, Pharmaceutical and Heat Sanitizable application etc.

## OTHER PRODUCTS

- Fine & coarse bubble diffusers
- Filter media (sand, gravel, activated carbon)
- Dosing pumps & systems
- Level sensors
- Flow meters
- Filter press, screw pump & centrifuge
- Parshall flume & weir
- Bulk chemicals
- Lab instruments, glasswares & chemicals
- Multiport valves
- Continuous Emission Monitoring System
- MBBR media
- Blowers & pumps
- Softener & DM resins
- Agitators & mixers
- Oil & grease skimmer
- Water Testing kits
- Bag filters
- Biogas plant

Our professional services are aimed at handholding our clients in solving the critical environmental issues and our team of professionals work with clients to bring out tangible solutions.



### **Operation & Maintenance of environmental facilities**

Our focus is to provide reliable and efficient services for the operation and maintenance of environment facilities by leveraging strong daily management set-ups, innovative solutions, advanced technologies and involving experts into action.

#### **Why us?**

- Dedicated team of environmental engineers to supervise
- Digitalized tracking of the operation and maintenance activities and performance
- Trained operators and regular skill development programs for the operators
- Regular and seamless communications to the customer
- System driven O&M management
- Monthly performance reports
- Enhancing performance of the plants by working with clients to act on opportunities for improvement

#### **We operate following environmental facilities:**

- Sewage Treatment Plants (STP) - Sequencing Batch Reactors (SBR), Activated Sludge Process (ASP), Fluidized aerobic beds/ Moving Bed Bio Film Reactors (MBBR), Membrane Bio Reactors (MBR)
- Water and Wastewater Treatment Plants (WTP / WWTP) - conventional water treatment, Demineralization (DM) plants
- Effluent Treatment Plants (ETP)
- Waste management facilities - Incinerators, composting units, Refused Derived Fuel (RDF) units, biogas plants
- Air pollution control facilities - bag filters

# SERVICES



## Environmental Compliance Management

Our legal compliance management services aim at providing comprehensive solution for clients to comply with legal requirement and effectively monitor and sustain the compliance management.

### Why us?

- End-to-end solution and ontime completion for organizations
- Assistance to set up monitoring and reviewing mechanism to sustain the compliance
- Training client team on compliance management - requirement and importance
- Customized packages for MSMEs for one-time and continued compliance management

### Our consents/ filings assistance include, but not limited to:

- Consent for Establishment (CFE/CTE)
- Consent for Operation (CFO/CTO)
- Hazardous and other waste authorization
- Environmental Clearance (EC)
- Plastic Waste Extended Producer Responsibility (EPR)
- Legal filings (environment statement, manifests etc.)



## Corporate Sustainability Advisory and Sustainability Reporting

Our team of sustainability professionals assist our clients in establishing an overarching structure to drive Environment, Social and Governance (ESG) related activities. We work with the core team in identifying the material issues, developing sustainability metrics and establishing core team to drive the activities.

### Why us?

- Team of experts in the field of corporate sustainability and governance
- We work with existing system in the organization to drive change
- Global exposure of the core team with various sustainability organizations
- Developing stakeholder specific communication plan for the report

Our sustainability reporting team provides comprehensive reporting solutions from data compilation to design and communication of the report. We assist our clients in reporting sustainability performance according to the following global frameworks/ guidelines:

1. GRI standards
2. IIRC guidelines (integrated reporting)
3. TCFD recommendations
4. Carbon Disclosure Project (CDP)
5. Dow Jones Sustainability Index
6. Business Responsibility Reporting

# SERVICES

## Management System Implementation

We assist our clients to standardize their operations/processes by implementing global management standards for

- Quality (ISO 9001)
- Environment (ISO 14001)
- Laboratory (ISO 17025)
- Water Footprint (ISO 14046)
- Risk Management (ISO 31000)
- BSC 5 Star Environmental Audit
- Occupational Safety (ISO 45001)
- Water Efficiency (ISO 46001)
- Environmental Performance (ISO 14031)
- Greenhouse Gas Inventorization (ISO 14064)

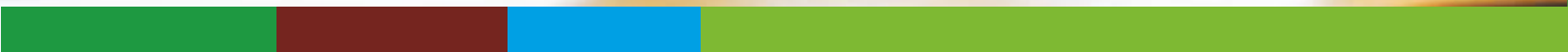
to ensure continual improvement and mitigate the risks.

### Why us?

- Show how type of consultancy
- Customized practical solutions
- Ontime completion
- Competent team with varied educational, industrial background with multi-sectoral experience

## OTHER SERVICES

- Environmental Quality Monitoring
- Environmental Training
- Environmental Updates
- Green House Gas Inventorization
- Environmental Audits - Waste Audit, Water Audit
- Supply-chain Environment Management
- Environmental Due Diligence
- Climate Change Advisory





## OUR CLIENTS



## OUR COLLABORATION

Speciality Chemicals	Level Measurement Devices	Continuous Emission Monitoring System	Laboratory Glassware	Laboratory Chemicals
				

## PARYAAVARNEER

ENGINEERS & CONSULTANTS PRIVATE LIMITED

Head Office : 50 - B, Kadakola Industrial Area, Kadakola, Mysuru - 571 311

Branch Office : 12, 1<sup>st</sup> Main, 8<sup>th</sup> Cross, Srinidhi Layout,  
J.P. Nagara 8<sup>th</sup> Phase, Bengaluru - 560 078

Phone : +91 8147 928 988 / +91 9008 981 927

E-mail : pec@paryaavaraneer.in | ravitej@paryaavaraneer.in

Website : www.paryaavaraneer.in

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