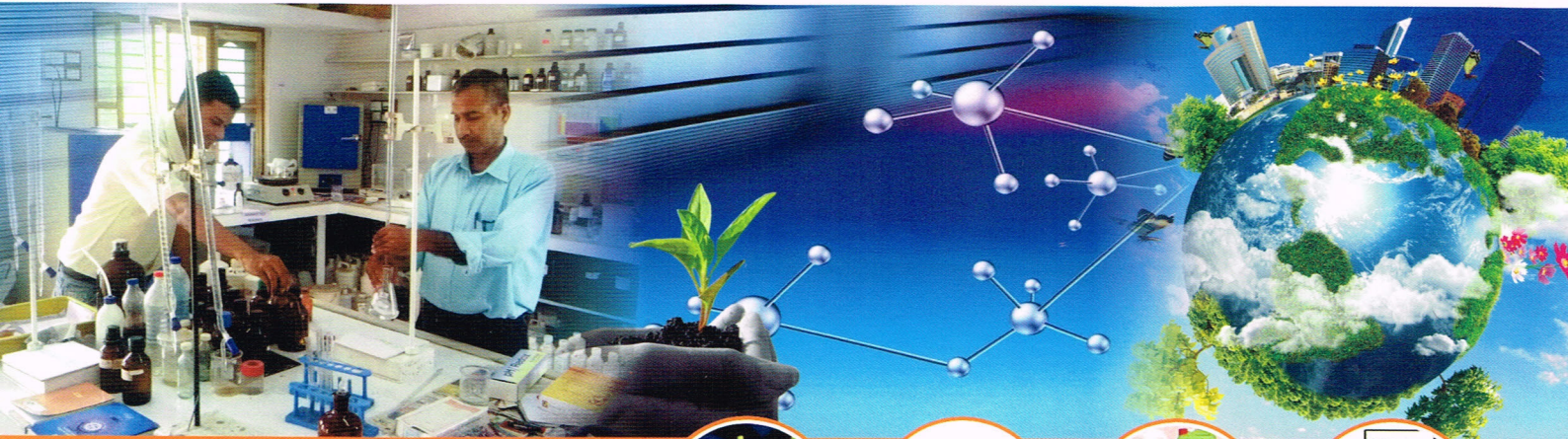


TURNING PAIN IN TO GAIN



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**VAIRAGYA CONSULTANTS**

**Environmental Engineers**

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We are one of the most powerful emerging providers of technical services in a very deep area of design of Environmental Management System (EMS) for various types of industries. We provide an objective viewpoint as independent technical consultants. We design, review, analyze, evaluate, report and advise you about components of Environment Management Systems and / or complete project - at any stage of its progress & process (i.e. Design, Execution, Commission and Operation of EMS). Our experience and technical strength, together with our commitment to service, makes us client's most valuable resource in total cost management. We provide technical support for preparation of project reports in compliance with statutory requirements, enactments, rules, guidelines, standards and /or specifications.

WASTEWATER TREATMENT

TRAINING

ENVIRONMENTAL MONITORING

ETP EQUIPMENTS

CHEMICALS

### EMS Services :

#### 1. TREATABILITY STUDY OF INDUSTRIAL WASTEWATER

No Specific chemical gives surety to be desired performance. Every effluent has different characteristic, so a series of specialized treatment test need to carried out. Complete procedure is than carried out at site.

it gives, accurate dosage quantity of various treatment chemicals, Design bases for plant scale effluent treatment scheme, volume of sludge to be produced, treatment procedure to be followed, estimation of proposed / existing treatment plant.

#### 2. DESIGN OF EFFLUENT TREATMENT PLANT

Design of ETP, STP & WTP. Starting from 10 Cum/d to 1200 cum/d.

We design treatment plants considering, most suitable treatment philosophy, Cost effectiveness, high performance, low power consumption, recycle possibilities, easy operation and maintenance procedure.

Basic and detailed environmental engineering designs is an area of our expertise.

Preparation of basic & detailed environmental engineering package including treatment design technical specification, GA, P&ID, Hydraulics & Structural design.

#### 3. PLANT COMMISSIONING & OPERATION

Plant Commission & Operation is a skilled & professional job. Hence we have the best hands to perform the job.

Turnkey project is also taken.

#### 4. PERFORMANCE IMPROVEMENT

It is possible that a plant may not run at full capacity due to various drawbacks. Being an aggressive client it need to be solved, thats what we do. A complete study is carried out. finding issues, solution to the problems, performance improvement has been done by us.

#### 5. ENVIRONMENTAL MONITORING

1. Routine analysis of wastewater samples

2. Routine analysis of water samples

3. Routine analysis of gaseous samples

4. Routine analysis of ambient air samples

5. Work place monitoring

it includes systematic AIR monitoring of various parameters e.g.,  
pH | COD | BOD | TDS | TSS | NOx | SOx | Amm-N | CL | FI | NOISE.



#### 6. MECHANICAL EQUIPMENTS

We supply mechanical equipments of ETP/STP/WTP.

Pump | Blowers | Agitator | Tube settler | Filter press | Diffusers | Rotating mechanism | Bio pack media

#### 7. LABORATORY AND PILOT SCALE TREATMENT UNIT DESIGN.

We design & Supply small/laboratory scale treatment model, it makes you understand the processes easy.

#### 8. TECHNICAL REPORT PREPARATION

We prepare technical data sheets or reports of your treatment plants.

#### 9. ENVIRONMENTAL COMPLIANCE AND CLEARANCE

1. Environmental Compliance Plan, Safety Compliance Plan
2. Actual Water Audit, Water Conservation, Reuse & Recycle, Water Harvesting
3. Actual System Audit (ETP, STP, WTP, Utility)
4. Safety Audit - Statutory & Comprehensive
5. NOC and Consents.
6. Technical Support for statutory compliance on reference to the applicable regulation, for example, the Water Act, the Air Act, the E(P) Act, the factory Act, the Explosion Act, the petroleum rules, the Electricity Act, the boiler Act and others as applicable
7. Environmental Management Plan
8. Green Belt Development.
9. Scientific Plantation

#### 9. PACKAGED TREATMENT PLANT

Usually available in sizes up to 50 Cum/d

### Training

Training is an essential part of making employee well informed about their responsibility. If they know - HOW IT WORKS? then they will do their job more effectively. Hence overall improvement will be seen.

- ABC of industrial environment
- All about Effluent parameters
- Effluent treatment plant Basic process and monitoring.
- Effluent treatment plant operation and management.
- Sewage treatment plant Basic process and monitoring.
- Sewage treatment plant operation and management.
- Troubleshooting of operational problems.
- Methods/ways to enhance your treatment plant performance.

### Chemicals

Specialized Chemicals we supply,

- Poly electrolytes
- Flocculating agents

## Our Respective Clients :

S r . No.	NAME OF UNIT	TYPE	DETAILS
1.	Meghmani Fine Chem, Dahej	Fine Chemicals	(1) Environmental Monitoring
2.	Gujarat Florochemicals Ltd., Dahej	Chemical Industry	(1) ARC for Wastewater Analysis (2) Vermi-composting (3) Complete effluent profile based on stream-wise analysis for a month
3.	Godrej Industries Ltd., Dahej	Chemical Industry	(1) Treatability, stream segregation, volume reduction (2) Determination of Monod Kinetics for ASP (3) Water Audit and Study for water compliance in terms of Reuse, Recycle, Reduce principles
4.	IPCA Laboratories, Indore	Pharmaceutical Industry	Design of modified Effluent Treatment Plant along with stream segregation
5.	Huber India Chemicals Ltd., Zagadia	Chemical Industry	(1) Water harvesting (2) Study minimize hazardous waste and optimize by-products
6.	Panoli Effluent Treatment Plant Ltd.	CETP	Study to enhance performance at primary treatment units
7.	Cheminova Industries (P1), Panoli	Chemical Industry	Environmental Monitoring
8.	Cheminova Industries (P3), Panoli	Chemical Industry	Environmental Monitoring, Bio-treatability Study
9.	Bharuch Eco Aqua Infrastructure Ltd., Ankleshwar	CETP	Environmental Monitoring
10.	Meghmani Organics, Panoli	Chemical Industry	Environmental Monitoring
11.	Kamdhenu Nutrients, Panoli	Animal Food Industry	Effluent treatability and treatment plant design for ammonical nitrogen and chloride removal
12.	Eliochem Industries (Apar - Industries Ltd.), Dungari, Gujarat	Polymers Division	Environmental Monitoring
13.	Titan Aeration Company, Pune	Diffuser system suppliers (OTIS)	Effluent treatability
14.	Spectrum Ether, Nasik	Pesticides Industry	Effluent treatability
15.	Gujarat Agrochem Ltd., Panoli	Agrochemicals	Effluent treatability and treatment plant design for ammonical nitrogen and COD removal, Effluent Treatability Plant Design & commissioning, ETP operation
16.	Unimark Remedies Ltd., Bavda	Pharmaceuticals	Effluent treatability
17.	Sterling Auxiliaries Ltd., Dahej	Chemical Industry	Wastewater Analysis
18.	Videocon Industries Ltd. Narmada Glass Division	Glass Industry	Design of Sewage Treatment Plant, supervision and commissioning
19.	Tonira Pharma, Ankleshwar	Pharmaceutical Indstr.	NOC, CCA
20.	Torina Pharma, Ankleshwar	Pharmaceutical Industry	(1) Treatability, stream segregation, volume reduction (2) Design of modified Effluent Treatment Plant along with stream segregation (3) ETP modification - turnkey project, ETP Operation
21.	Japan Development Institute, Japan	Intrntl. Development Consultants	Social and environmental consultancy service (SEC) for prefeasibility study for the project of Modernization of the Alang Ship Recycling Industry
22.	Merchant Industries Ltd.	Chemical Industry	(1) Treatability, stream segregation, volume reduction (2) Design of modified Effluent Treatment Plant along with stream segregation (3) ETP modification - turnkey project, ETP operation
23.	RPG Life Science	Pharmaceutical Industry	(1) Treatability, stream segregation, volume reduction (2) Design of modified Effluent Treatment Plant along with stream segregation
24.	SRF Ltd.	Chemical Industry	(1) Treatability, stream segregation, volume reduction (2) Design of modified Effluent Treatment Plant along with stream segregation, Supervision, Commissioning, Plant Capacity-500 Cum/d
25.	SRF Ltd.	AHF Plant (inorganic Industry)	Treatability Study, Design of Effluent Treatment Plant Turnkey Project, ETP operation, Plant Capacity-350 Cum/d
26.	Tagros Chemicals India Ltd.	Pesticides Industry	(1) Treatability, stream segregation, volume reduction (2) Design of Effluent Treatment Plant along with stream segregation, Supervision, Commissioning
27.	Paushak Ltd.	Chemical Industry	(1) Treatability, stream segregation, volume reduction (2) Design of Effluent Treatment Plant along with stream segregation, Supervision, Commissioning
28.	Avantor Ltd.	Pharmaceuticals Indstr.	Environmental monitoring
29.	IPCA, Ratlam	Pharmaceuticals Indstr.	Seminar presentation on ETP basic & advancement.

**Contact us :**

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