

Redefining Sustainability...





### Prof. Dr. S. Rajamohan

B.E. (Civil), M.E. (Environ), Ph.D., Founder & Managing Director

An Academician Turned as Successful Entrepreneur...

# Founder & Managing Director

"101 First Generation Successful Entrepreneurs in Tamil Nadu" Awarded by Confederation of Indian Industries (CII)

"Excellence in Environmental Services" 2021 Awarded by Times of India

"Eminent Engineer Award 2022"
By
Association of Consulting
Civil Engineers (India), ACCE(I)

### Our Services

### I. Consultancy Services

- \* Environmental clearance from State Environmental Impact Assessment Authority (SEIAA) and MoEF&CC, Govt of India New Delhi
- \* Environmental Impact Assessment (EIA) Study
- \* Environmental Managment Plan (EMP) Study
- \* Risk Assessment and Hazop Study
- \* Environmental Auditing
- \* Environmental Training and Awareness Programme
- \*\* Consent for Establishment and Consent for Operation, Hazardous
  Waste Authorization from Tamilnadu Pollution Control Board
  (TNPCB) and other State Pollution Control Board (SPCB)

### II. Turnkey Projects

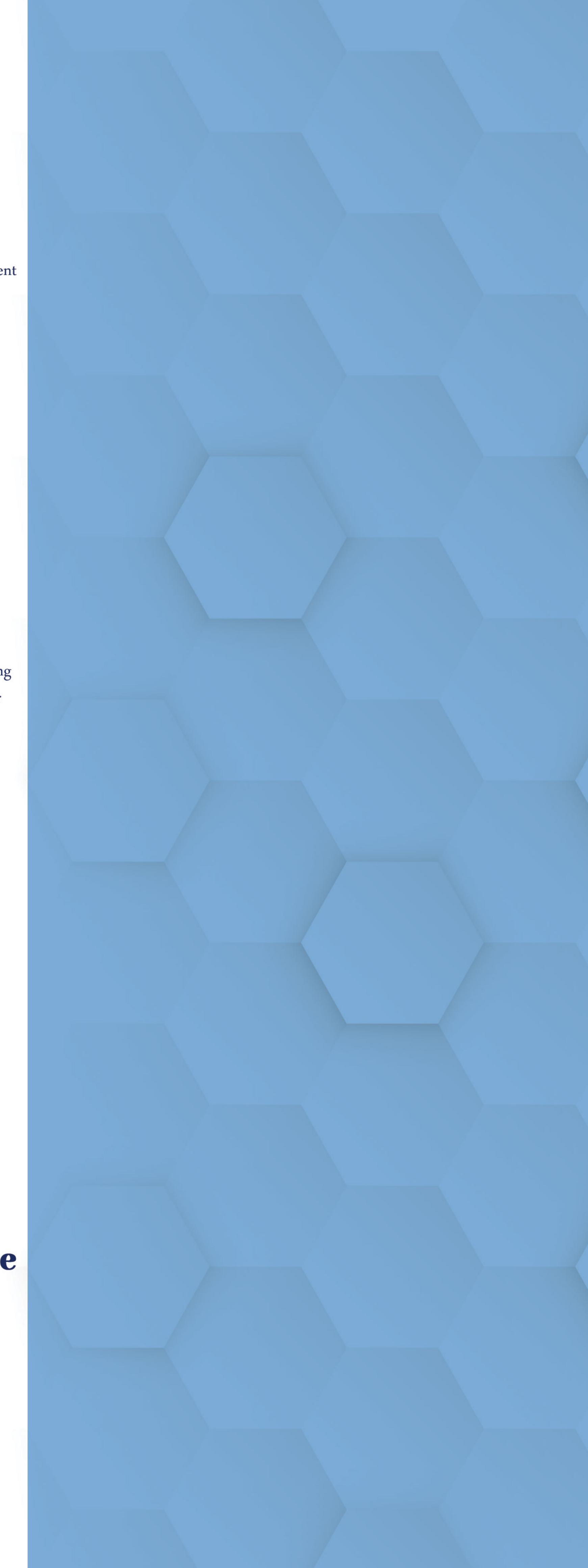
- \*\* Planning, Design, Supply, Construction, Erection and Commissioning of Treatment plants (ETP, ZLD, STP, WTP & R.O.), Drinking water Plant (IS 14543)
- \* Air Pollution Control Equipments
- \*\* Online Monitoring Equipment with TNPCB Approved Software for Stack Monitering/Waste Water/Water Monitoring / ZLD Plants
- \* Chemicals & Spares

### III. Laboratory

- \* Equipped to Analyze all Environmental Parameters
- \* Ambient Air Quality Survey, Stack Monitoring and Noise Level Measurement.
- \* Automatic Weather Monitoring
- \* Analysis of Air, Water, Sewage, Effluent, Sludge and Soil
- \* Food Testing as per FSSAI Standards

### IV. Operation & Maintenance

- \* ETP, ZLD, STP, WTP and R.O. Plant
- \* Industrial & Inprocess Labs



## I. Consultancy Services

### a). Environmental/ Costal Regulation / Consent Clearance

- \*\* Environmental Clearance from Ministry of Environment, Forest Climate Change (MoEF&CC), Govt of India New Delhi and State Environmental Impact Assessment Authority (SEIAA)
- \*\* Consent for Establishment and Consent for Operation, Hazardous
  Waste Authorization from Tamilnadu Pollution Control Board
  (TNPCB) and other State Pollution Control Board (SPCB)

  EIA study for the following projects
- \*\*Industrial Projects
  Cement, Sugar, Automobile, Foundry, Distillery, Chemical,
  Pharmaceutical, Electroplating
- \*\* Thermal Power Plants

  Gas based, Coal based, Biomass based
- \*\*Infrastructure Projects
  Airports, Ports, CETPs, Industrial Park
- \*\*Construction Projects

  Residential Complex, Commercial Complex, IT. Parks, Hotels.

  EMP study for all type of projects
- \*\*CRZ Clearance for all type of projects which is located 500 meter from HTL in Sea front area and 100 meter from costal water bodies (Canal, Backwaters, Estuaries).

### b). Risk Assessment

- \*\* Risk Analysis and Assessment
- \*\*Maximum Credible Accident and Consequence Analysis (MCACA)
- \*Onsite and Offsite Emergency Plan
- \*Hazop Study

### c). Environmental Audit & Training

- \* Water & Waste water Audit for Industries
- **\*** Environmental Awareness Training for Industries



### II. Turnkey Projects

### a). Water Treatment Plant & Drinking Water Plant

Sand & Carbon Filters, Iron Removal Filters, Reverse Osmosis Plants Softening Plants, Demineralization Plants, Mixed Bed Plants & Ultra Filtration, Hns System.

### b). Sewage Treatment Plant with Recycling System

Moving Bed Biological Reactor (MBBR), Fluidized Bed Bio Reactor (FBBR), Activated Sludge Process(ASP), Chlorination, UV, Ozonator Packaged Treatment Plants, Ultra Filtration for STP, Sequential Batch Reactor(SBR), Membrane Bio Reactor(MBR).

### c). Effluent Treatment Plant

Chemical Treatment, Biological Treatment, Anaerobic Treatment & Packaged Treatment Plant

### d). Zero Liquid Discharge System

**PRETREATMENT** 

Effluent Treatment plant, ultrafiltration, nano filtration, reverse osmosis plant (Spiral Wound & Disc Type Membrane)

**EVAPORATORS** 

Single Stage Evaporators, Double Stage/Multistage Evaporators

SALT SEPERATOR

ATFD (Agitated Thin Film Drier), Crystallizer

### e).Air Pollution Control Equipments

Wet/Dry scrubbers, Mist Eliminators, Fumes Extractor

### f).Online Monitoring Equipments

Online Monitoring Equipments for Stack, Gas & Ambient Air with TNPCB Approved Software

Online Monitoring Equipments for all Parameters of Water and Waste Water Treatment Plants



### III. Laboratory Services

#### a). WATER ANALYSIS

- \* Packaged Drinking Water analysis as per IS 14543: 2004
- \*\* Suitability of Water for portability as per IS 10500 : 2012
- \*\* Suitability of Water for Construction as per IS 456: 2000
- \*\* Toxic Trace Metal Analysis
- \* Surface, Ground, Seawater Analysis
- \* Effluent / Sewage / Waste Water Analysis as per TNPCB Norms
- \* Microbiological Testing in Drinking Water

### b). AMBIENT / WORKPLACE AIR QUALITY SURVEY

- \*\* Suspended Particulate Matter (SPM)
- \*\* Respirable Particulate Matter (RPM)
- \* Particulate Matter (PM2.5) (PM10) Sulphur Dioxide (SO<sub>2</sub>)
- \*\* Oxides of Nitrogen (NOX) Carbon Monoxide (CO) Lead (Pb)
- \* Hydro Carbons (HC), Volatile Organic Compounds (VOC)
- \* Ammonia (NH3), Acid Mists
- \* Oil Mist and Toxic Heavy Metals

#### c). STACK MONITORING

- \*\* Velocity & Volume of Flue Gas Discharge
- \* Dust / Particulate Emissions (PM)
- **\*** Sulphur Dioxide (SO2)
- \*Oxides of Nitrogen (NOX)
- \* Volatile Organic Compounds (VOC)
- \*\*Orsat Analysis (CO, CO2, and O2) and Toxic Trace Metals.

#### d). WEATHER MONITORING

\*\* Wind Speed, Wind Direction, Minimum Temperature, Maximum Temperature, Relative Humidity,

Dew Point, Atmospheric Pressure, Solar Radiation and Rainfall etc.,

- \*\* Noise Monitoring: Test Noise levels at Various Industrial Operations.
- **\* Illumination Monitoring :** Test the Illumination levels at Various Industrial Operations.

#### e). SOIL TESTING

\*\* Texture, Lime Status, Moisture, Organic Carbon, pH, EC, Sulphate as SO<sub>4</sub> Sodium as Na, Nitrogen as N, Phosphorous as P, Potassium as K, Iron as Fe, Zinc as Zn, Copper as Cu, Manganese as Mn and Toxic Heavy Metals.





#### f). FOOD TESTING

- \* Pesticide Residues Analysis
- **\*** Toxic Elements (Metal content)
- \*\* Toxins (Afflotoxins)
- **\*** Vitamins
- **\*** Antibiotics
- \* Nutritional Labeling
- **\*** Bakery Confectionary
- \* Sugar and Sugar Products
- \* Oil and Fat Products
- **\*** Cereals and Pulses
- **\*** Spices
- \* Milk and Milk Products,
- **\*** Fruits and Vegetables
- \* Meat and Meat Products
- **\*** Salt Products
- \* Tea and Tea Products
- **\*** Fish and Sea Foods





## IV. Operation & Maintenance

- \* Sewage Treatment Plants (STP)
- \* Effluent Treatment Plants (ETP)
- \* Zero Liquid Discharge (ZLD)
- **\*** Ultrafiltration(UF)
- \* Nano Filtration
- \* Demineralisation Plant(DM)
- \* Softener Plant
- \* Water Treatment Plant(WTP)
- \* Reverse Osmosis Plant(RO)
- \* Common Effluent Treatment Plant(CETP)



### OUR AWARDS & CERTIFICATES











ISO 45001: 2018

NABL NABET ISO 9001: 2015 ISO 14001: 2015

SPECIAL PUBLICATION ON 101 SUCCESSFUL FIRST ENTREPRENEURS OF TAMIL NADU 05-APRIL-2008 Staja Mohan is a BE in Mechanical Mohan is an advocate of the incorporation of Mohan keeps himself and his technologies environmental Engineering and an environmental studies in our educational updated with the latest there is in the system and encouraging students to take environmentalist at heart. Mohan, who designed and build Enviro Care India. Private Ltd, is an entrepreneur who converted his love of nature into a business opportunity. Backed by his Mohan is a simple man who believes in hard. Raja Mohan business opportunity. Beckel by his Mohan is a simple man who believes in hard. If the blue sky and the green lands ends you friends, he made it his mission to offer work, leaving the equilits to God. Trust in smile in a city full of industries, you can be reliable services in the area of God, he says is his chart for success. Bard sure you have men of Mohan's calibre to environmental impact assessment work, honesty and sincority come next is his thank. With his unimpeachable track record studies, and analysis of air, wrater, noise, list of non-negotiable essentials for business in planning, design, risk analysis, treatment. Enviro Care India Pvt Ltd sewage, effluents, sludge and soil, records. Halling from a family with an academic background. Moham is a man with the Moham is a man with the Moham is a man with the background. Moham started his professional career as an Associate Professor in an engineering college. His father is an MABT and a retired track and his wife a BA Bod and tracker and his deficient trackers of his company. teacher and his write a BA Bod and train come together for the greater cause of among the directors of his company, conservation of natural resources. In a desiration of a fast track project coerribute tremendously towards slowing engineering organization with 190 9001 the exploitation of natural resources.

2000 certification in the field of Repossible means of production and environmental eciences, librings togeths effective waster management are the call of er environmental engineers, mechanical the hour and Mohan has the requisite engineers, civil engineers, electrical expertises. It is a very well-known fact that successful entrepreneurs are vital assets for any develop Thank you very much for your kind support extended to bring about the "Special Publication on 101 Successful First Entrepreneurs of Tamil Nadu", We are pleased to publish your success story in this publication. This will indeed inspire the youth of Tamil engineers, safety engineers, scientists, chemists, biochemists, microbiologists and social scientists. Started in 1996. Erviso Care offers pollution created solutions under one roof for a variety of industries. The company initially started at investor of environment studies on a commencial Coimbanou and Chemai. During the course encountries. Nadu to expand their horizons, tread the path less traveled and participate in the journey of its growth, the company diversified into for Please find enclosed a copy of the STAR TREK - the fascinating journeys of services for a wide range of requirements. The company has five branches across the country with operations also in the Mohan eventes he employs the right kind of UAE. In future, Mohan wants to take his company to a global level of operations, like the body of conservation. He keeps his people to take his possent client list has over 500 motivated by offering them attractive companies. mpanies.

ed can understand the significance of an enterprise of this nature. It is not merely a business venture, but an organization that give the beginning people from the back-bulps the world we live in. says of helping people from the backs helps the world we time in, and cantes and deprived backgrounds. On the business front, the competitive rates continued by the said of the conspetitive rates a moover new and innovative methods to childreng. Mohan uses this situation to movide vater treatment for the benefit increase his sales by providing quality if society. One disease of his will soon products with good service. His equipment become reality, with the setting up of an cones with quality sorvice that other international environmental institution on of the list. 43, Secon Street





### OUR ACCREDITATION



NABL

National Accreditation Board for Testing & Calibration Laboratories - New Delhi



NABET

National Accreditation Board for Education and Training - New Delhi



MOEF

Ministry of Environment & Forest - New Delhi



MOUD

Empanelled Agency by MoUD for Providing Technical Support to the Cities/Towns for Water Supply, Sewerage and Drainage Systems



CII

Member in the Confederation of India Industry



IWWA

Member of Indian Water Works Association



WB/ADB

Approved by World bank & Asian Development Bank

### OUR PRESTICIOUS CLIENTS



















































































































































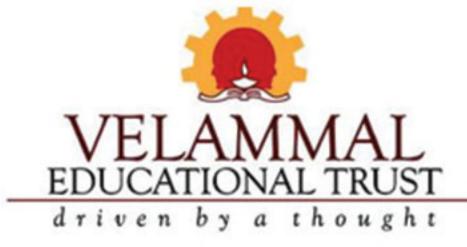
































NABL ACCREDITED CALIBRATION LAB ISO/IEC 17025

### Scope

### Mechanical

#### Dimensional

- \* Plunger Dial Gauge
- \*\* Bore Dial Gauge
- \* Dial Thickness Gauge
- \* Feeler Gauge
- \* Height Gauge
- \* Vernier Caliper (Analog/Digital/Dial)
- \* External Micrometer
- \* Vernier Height gauge (Analog / Digital / Dial)
- \* Weighing Balance and Weights

#### Fluid Flow

\* Electromagnetic flow Meter

#### Acoustics

\* Noise/Sound level meter

#### Pressure

- \* Pressure/Vacuum gauge
- \* Pressure/ Vacuum Switches
- \* Pressure Transmiters

### Thermal

- \* RTD's & Thermocouples
- \* Temperature Indicator with Sensor
- \* Dry block calibrators
- **\*** Incubators
- **\*** Hot air ovens
- **\*** Furnaces
- **\*** Autoclave
- \* COD
- \* Deep Freezer

### Electro Technical

\* Thermocouple & RTD -Simulation (All types)

