

Environmental Consulting & Laboratory Services



THE GREEN PEOPLE

GREEN CIRCLE, INC.

- *Integrated HSEQR Consulting Engineers, Scientists & Trainers*
- *HSE & Risk Consulting* ● *Health & Hygiene* ● *Environmental Laboratory and R&D* ● *EIA*

(MoEF Recognized & Gazetted Environmental Laboratory under EPA 1986, GPCB Approved Schedule II Environmental Auditor & RPCB Approved Environmental Consultants & Environmental Laboratory)

About Us...

We are **integrated HSEQR, Consulting Engineers, Scientists & Trainers** and **MoEF Recognized Gazetted Environmental Laboratory**. **Green Circle, Inc.** offers One Stop Solutions for EIA, EMP and Environmental Consulting to Environmental Monitoring & Analysis and specialized services like Safety & Risk Consulting, Industrial Hygiene for clients across India & abroad.

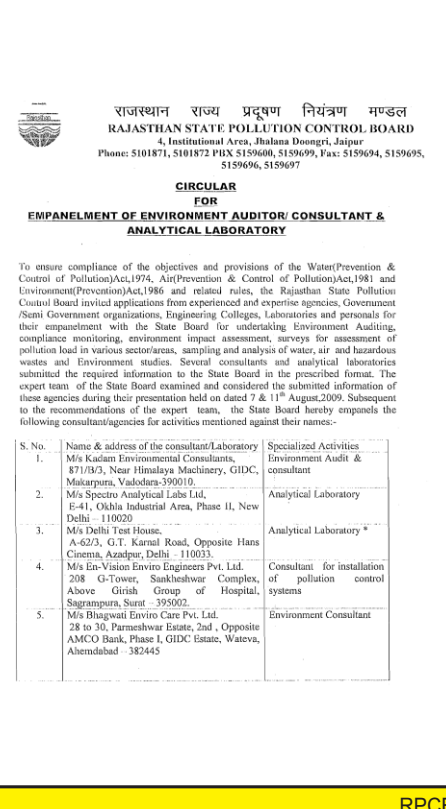
Our Accreditations/ Approvals



MoEF Recognized & Gazetted Environmental Laboratory under EPA 1986

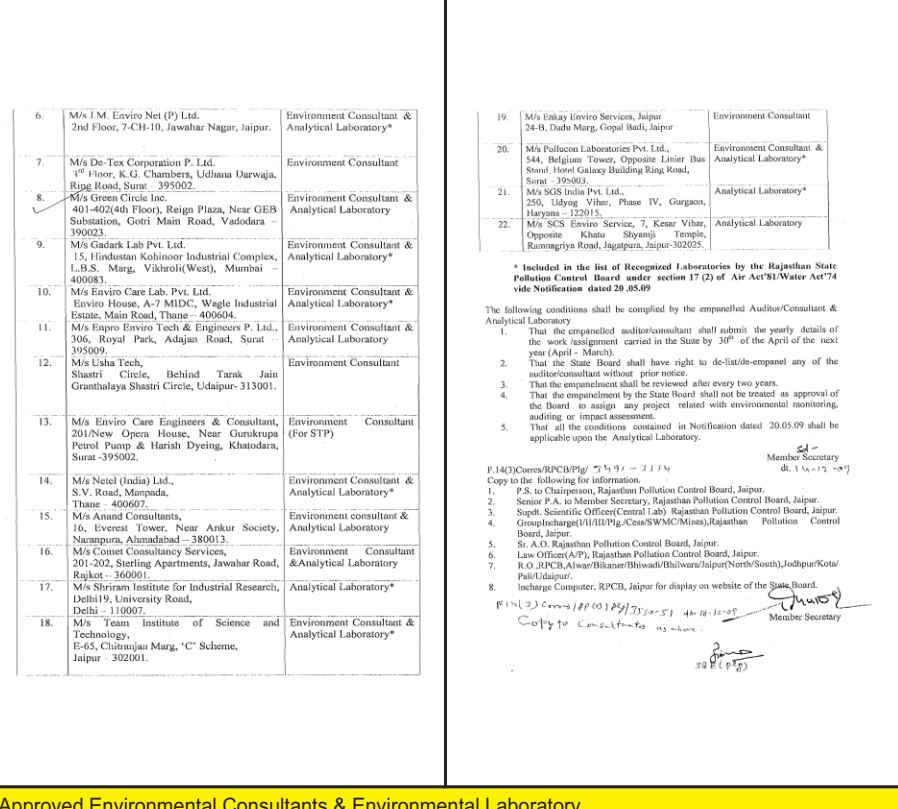


GPCB Approved Schedule II Environmental Auditor



MoEF Recognized & Gazetted Environmental Laboratory under EPA 1986

6.	M/s J.M. Enviro Net (P) Ltd., 2nd Floor, 7-C-10, Jawahar Nagar, Jaipur.	Environment Consultant & Analytical Laboratory*
7.	M/s De-Tex Corporation P. Ltd., 1 st Floor, K.G. Chambers, Udhana Darwaja, Bypass Road, Surat - 395002.	Environment Consultant
8.	M/s Green Circle Inc., 401-402(4th Floor), Reign Plaza, Near GEB Substation, Gotri Main Road, Vadodara - 390023.	Environment Consultant & Analytical Laboratory
9.	M/s Gadark Lab Pvt. Ltd., 15, Hindustan Kolinor Industrial Complex, I.B.S. Marg, Vikhroli(West), Mumbai - 400083.	Environment Consultant & Analytical Laboratory*
10.	M/s Enviro Care Lab. Pvt. Ltd., Enviro House, A-7 MIDC, Wagle Industrial Estate, Main Road, Thane - 400604.	Environment Consultant & Analytical Laboratory*
11.	M/s Enviro Enviro Tech & Engineers P. Ltd., 306, Royal Park, Adajan Road, Surat - 395009.	Environment Consultant & Analytical Laboratory
12.	M/s Usha Tech, Shastri Circle, Behind Tarak Jain Granthalaya Shastri Circle, Udaipur-313001.	Environment Consultant
13.	M/s Enviro Care Engineers & Consultant, 201/New Opena House, Near Gurukrupa Petrol Pump & Hariish Dyeing, Khatodara, Surat-395002.	Environment Consultant (For STP)
14.	M/s Netel (India) Ltd., S.V. Road, Mumpda, Thane - 400607.	Environment Consultant & Analytical Laboratory*
15.	M/s Anand Consultants, 16, Everest Tower, Near Ankur Society, Nanpura, Ahmedabad - 380013.	Environment consultant & Analytical Laboratory
16.	M/s Comet Consultancy Services, 201-202, Sterling Apartments, Jawahar Road, Rajkot - 360001.	Environment Consultant & Analytical Laboratory
17.	M/s Shiram Institute for Industrial Research, Delhi19, University Road, Delhi - 110007.	Analytical Laboratory*
18.	M/s Team Institute of Science and Technology, E-65, Chitrang Marg, 'C' Scheme, Jaipur - 302001.	Environment Consultant & Analytical Laboratory*



PCRB Approved Environmental Consultants & Environmental Laboratory

Our Quality Methodologies

Standards & Guidelines GCI refers;

- BIS (Bureau of Indian Standard)
- APHA (American Public Health Association)
- NIOSH (The National Institute for Occupational Safety and Health)
- AOAC International (Association of Official Analytical Chemists)
- EPA (Environment Protection Act), 1986
- USHA (Universal Safety & Health Accreditations)
- ASTM International (American Society for Testing and Materials)
- IEC (International Electro technical Commission)

- GCI is equipped with state-of-art Environmental Laboratory to perform Physical, Chemical, Microbiological and complete Field & Laboratory Environmental testing facility including GC, AAS, UV-Spectrophotometer, Flame Photometer, LAF, ORSAT apparatus, Incubators, BOD incubator, Bomb Calorimeter, Melting point Apparatus, Flash Point Apparatus, COD Digester & Pilot Plants for in house Treatability studies.

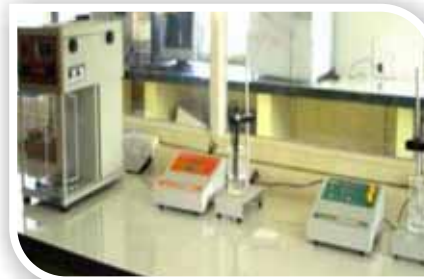
GCI Infrastructure



- Atomic Absorption Spectroscopy (AAS)



- Bomb Calorimeter
- Melting Point Apparatus
- Flash Point Apparatus



- UV Spectrophotometer
- Colorimeter
- Turbidity Meter
- pH Meter
- Conductivity Meter



- Gas Chromatography (GC)



GCI has latest softwares for various applications as emission dispersion modeling (AEROMOD, Calpuff, Caline 4, ALOHA, ISTSC III), Hydrodynamic study (MIKE 21), Toxic/Flammable Gas Release (Safeti, PHAST), GIS, RS & GPS.

GCI Team

We have well qualified & skilled experts to carry out the challenging job in Environmental field like Engineers in Chemical, Mechanical, Environment, Electrical, Instrumentation, Geology, Environment Scientists, Chemists and Geologists etc.

Field Sampling & Laboratory Analysis Services

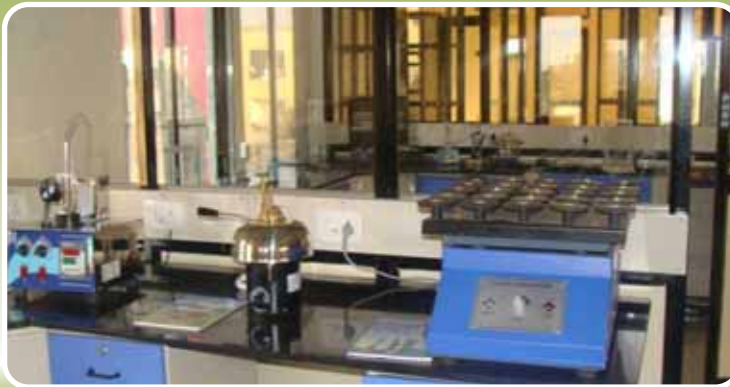
AIR POLLUTION MONITORING & ANALYSIS

▪ **Stack & Process Vents**

GCI offers monitoring, sampling & analysis of SPM, SO_x, NO_x, CO₂, CO, Cl₂, NH₃, H₂S, HC, VOC, Acid Mist and any toxic/flammable gases, vapors & fumes.

▪ **Ambient Air Quality/Workplace/Personal Monitoring & Analysis**

PM₁₀, PM_{2.5}, SO_x, NO_x, CO, CO₂, Cl₂, NH₃, H₂S, HC, VOC, Acid Mist & any toxic/flammable gases, vapors & fumes.



Water & Waste Water Analysis

All physical, chemical, microbiological parameters as per IS:10500, 13428, 2296 and CPCB/ICAR/MoEF/SPCB requirements of Consent/Environmental Clearance as pH, TDS, SS, COD, BOD, MPN, E-coli, Bioassay/FTI, Heavy Metals, Chlorides, Sulfates, Hardness, etc.

Soil Sampling & Analysis

GCI analyses soil parameters such as pH, texture, Sedimentary Organic Matter, TOC, NPK and customized testing services.



Waste Analysis (Solid & Liquid)

GCI offers sampling & analysis of sludge, residue, MSW, hazardous wastes, Biomass etc. for all standard parameters.

Minerals & Ores Analysis

We carry out analysis of Lime stone, Bauxite, Silica Sand, Clays, Iron Ore etc. for all standard parameters.



Annual Contract Services GCI also enters for Annual Contracts For

- Environmental Monitoring and Air, Water, and Waste Analysis
- Environment Audit
- O&M of ETP and STP
- Legal Retainership

Field Sampling & Laboratory Analysis Services

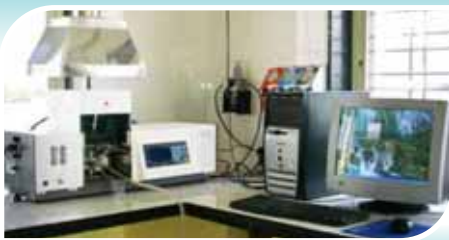
Laboratory Analysis of:

● Fuels

Fuel-Coal & Coke analysis parameters like Gross-Calorific Value, Volatile Matter, Ash, Humidity, moisture etc. are also available at our facility.

● Biomass

Biomass Testing like Calorific Value, Flash Point, Oxygen Content and Organic Carbon etc. are also available



● Hazardous Substances Sampling & Analysis

GCI conducts sampling & analysis of Asbestos containing Material (ACM), Lead, Mercury, Dioxin, PCB, etc.

● Feasibility & Treatability Study

GCI conducts Treatability study with experiments at Laboratory Scale & Pilot Scale Plants for waste water/ Effluent & wastes treatment with physico-chemical and biological treatments with recovery & reuse options.



● Industrial Hygiene Survey & Indoor Air Quality Testing

GCI conducts Industrial Hygiene Survey & Indoor Air Quality Monitoring including:

- Noise & Mapping
- Indoor Air Quality
- Illumination
- Chemical Exposure Risk Assessment
- Heat Stress
- Vibration (WB & WA)
- Moulds & Radon- VOC
- Ergonomics
- Ventilation Survey

● EIA, EMP, EDD

GCI has conducted & facilitated many Comprehensive & Rapid EIA, Marine EIA, EMP & EDD projects for industrial, CRZ, Infrastructure & Industrial sectors from baseline survey, applications submissions, Public Hearing to presentations, finally obtaining EC from MoEF, SEAC & SEIAA as per EIA notification 14th Sept'2006 of MoEF and Post EC compliance. We have NABET Associates & our Accreditation is Awaited.



● GCI offers complete Baseline Environmental Survey as a part of REIA/ CEIA as per MoEF Guidelines

Our Services

Rain Water Harvesting & Storm Water Management study

GCI has 20+ years experience in handling water management projects like Water Audit, Rain Water Harvesting, Storm Water Management, Flood Control, from designing to executions.



Specialized Services

- Water Audit
- Waste Management
- Environmental Site Assessment (Level I & II)
- Hydrodynamic study (Thermal & Salinity dispersion) in sea by MIKE 21
- Environmental Risk Assessment
- ETP/STP troubleshooting
- ETP/STP Operation & Maintenance (annual contracts)
- Calibration of Opacity Meter
- Air Pollution Control
- Equipment Efficiency Studies
- ETP-Risk Assessment
- ETP/STP Audit

Enviro Legal Services

- GCI offers consulting & Liaison services for facilitating Environmental Clearance from MoEF/SEAC/SEIAA/CPCB
- Post EC Compliance
- Consent for Establishment (NOC/CFE) & Consent for Operation (CEO) from State Pollution Control Boards, for all industrial, infrastructure & core sectors



R & D Projects

- Spent Chemicals Recovery, Product Development, Wastes Recovery, Spent Acid, Solvents, Catalysts, Alkali, Metals & Customized Research Projects
- MSW & Sewage Survey
- Waste to Energy Projects
- Biomass Survey (Quantitative & Qualitative)
- Biogas & Alternative Fuels
- Biomedical Waste Survey & Management

Other Services...

GCI offers Industrial Hygiene, Risk Management Services (Safety), Electrical Safety, ISO & Quality Systems and Training under Separate Business Divisions as:

Risk Management Services

- Safety Audit – Statutory & Comprehensive
- Behavioral Safety Audit
- Process Safety Management Audit (PSM Audit) & Manual
- Fire Audit & Fire Risk Assessment (FRA)
- What If, FMECA & FMEA
- HAZOP, HAZROP, HAZAN (ETA & FTA)
- Job Safety Analysis (JSA)
- Process Hazard Analysis (PHA)
- HAZID & RMP
- Safety Report
- Risk Assessment
- Plant EHS Manual
- On Site & Off Site Emergency Plan
- Dispersion, Consequence Modeling, Toxic Release & Spill Assessment
- Quantitative Risk Assessment (QRA) / Analysis
- Emergency Mock Drills
- Risk Audit & Management
- Corporate EHS Audit & Legal Audit
- Disclosure of Information Booklets (41 – B & 68 K)
- COMAH, ALARP, SIL, LOPA & Safety Case Study
- Industrial Hygiene Survey
- Dow – Fire & Explosion Index
- Occupational Health Survey (In Hazardous Area & Mines)
- Medical Surveillance Program Development Plan
- Environmental Health Survey / Study
- Assessment of Odor Generation Chemicals

Industrial Hygiene Services

- Health Hygiene Survey
- Air Sampling
- Occupational Exposure Assessments
- Chemical Exposure & Risk Assessment
- Noise Monitoring & Mapping
- Illumination, Vibration & Ventilation Survey
- Indoor Air Quality
- Heat Stress Monitoring
- Industrial Hygiene Training Program

Electrical Safety

- Electrical Maintenance Audit
- Electrical Pre – commissioning Safety Review
- Electrical Safety & Maintenance Manual
- Electrical Equipments Condition Monitoring
- SOP's, SMP's JSA for Electrical Equipments
- Hazardous Area Classification (As per IEC-60079-10)
- Lightning Protection Survey
- Static Charge Survey
- Flash Arc Analysis

Asset Management

- Maintenance Audit
- RAM Study
- FMEA/ FMECA Study
- Reliability Study

Training & Seminars

In-house Training & Public Seminars on

- Safety Management
- Electrical Safety
- Chemicals Management
- Laboratory Safety
- Safe Maintenance
- Job Safety Analysis
- Risk Assessment
- Loss Prevention & Control
- Office Safety
- Safety & Productivity
- Accident Investigation
- Permit System

Envergy Projects Ltd

Turnkey Solutions in Environment & Energy

- Effluent Treatment Plant
- Sewage Treatment Plant
- Air Pollution Control Equipment
- Zero Liquid Discharge
- Rain Water Harvesting
- Biogas
- Multiple Evaporators
- GreenBio System
- Waste Heat recovery
- Organic Waste Processor
- Waste Recovery Plants
- Plasma Gasifiers
- RO, UF & NF
- Oil Skimmers (all types) & traps

Clients

INDUSTRIAL PROJECTS

Clients	
Hindustan Electricity Generation Corporation Company Ltd.	Assam Gas Company Ltd.
Krishnapatanam Power Corp. Ltd. (Navyuga Group)	Hindustan Petroleum Corporation Ltd.
Godrej & Boyce Mfg. Co. Ltd.	Yogleela Cropscience Pvt. Ltd.
KIADB (TECSOK)	Narmada Chematur Petrochemicals Ltd)
Biotor Industries Ltd.	ADNOC (Abu Dhabi National Oil Company)
Corporate Power Ltd.	Petronet LNG Ltd.
Sun Pharmaceuticals Pvt. Ltd. (formerly PHLOX)	Reliance Industries Ltd.
UCB India Pvt. Ltd. (API)	IFFCO
Anand Agrochem Ltd.	Chambal Fertilizers & Chemicals Limited.
MECON Ltd.	Gujarat State Fertilizers Company
Mapex India Pvt. Ltd.	Nagarjuna Fertilizers & Chemicals Limited
Indian Oil Corporation Ltd. (Terminal)	Aurobindo Pharma Ltd
Nirma Ltd	Lupin Ltd.
Torrent Pharmaceuticals Ltd	Asian Paints Ltd
Hindustan Zinc Ltd.	Galaxy Surfactants Ltd.
Hindustan Copper Ltd.	Alpa Resins & Paints Ltd
REMI Group	ACC Ltd.
Abhijeet Group (6 Thermal Power Projects)	Tayo Rolls Ltd.

INFRASTRUCTURE PROJECTS

Clients	
Caddie Hotels Pvt Ltd	ATS infrastructure
Writer Lifestyle Pvt.Ltd	Chandigarh Housing Board
Runwal Group (7 Projects)	Innovative Studios Pvt. Ltd.
Taj group of Hotels (Indian Hotels)	Saumya Construction Pvt. Ltd.
KMP Expressway Ltd.	Annapurna Studios Pvt. Ltd.
Akruti Nirman Ltd	Feedback Infrastructures Service Pvt. Ltd. (6 Highway Projects)
Hiranandani Group	Inorbit Malls India Pvt. Ltd. (K. Raheja Group)
Lodha Impression Real Estate Pvt.Ltd	Shashiprabhu Associates
Everest Developers	Shapoorji Pallonji Co. Ltd
Neptune Realtors Pvt. Ltd.	Aermid Healthcare (I) Pvt. Ltd.
Kukreja Construction Co.	Kumar Properties & Real Estate Pvt. Ltd.
Magus Estates & Hotels Ltd.	Rama Builders & Developers



Contact/Call with your enquiries



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E-mail : info@greencircleinc.com
gccipl@rediffmail.com



● New Delhi ● Hyderabad ● Pune ● Raipur ● Kolkata

Overseas:

● Australia ● Oman ● Kuwait ● Africa ● Vietnam

Other Green Group Company

● Envergy Projects Ltd.

Turnkey Solutions in Environment & Energy

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