

COMPANY PROFILE



SIDDHI



Siddhi Green Excellence
PRIVATE LIMITED

A Venture by Engineers.....

" Grow More "

.....EHS Consultancy

GUJARAT'S
1ST PLATINUM
CERTIFIED
NEW GREEN
INTERIORS
BY INDIAN GREEN BUILDING COUNCIL

: Regd. Office :

**"Kamal Arcade - The Vertical Sunclock" Comm. Plot No. C-3/3,
GIDC Station Road, Ankleshwar - 393 002. Dist. Bharuch,
Gujarat State, (India). Tele. : 02646 - 224805, 223805**

: Dahej Off. :

**"SANSKAR AVENUE" Shop No. GF 37,
P.O. Jolva, Ta. Vagra, Dist. Bharuch.
Tele : 02641 - 254041**

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Our Vision : Green Earth, Blue Sky - Now & Always





Siddhi Green Excellence PRIVATE LIMITED

SC/MKT/05

COMPANY PROFILE

Rev. 05, 13-03-2019

☞ We, as an organization -

Established in April 2001, Siddhi Green Excellence Private Limited is serving the industry over a decade in the field of Environmental Management and Industrial Safety and Occupational Health.

**ENVIRONMENTAL
MANAGEMENT**

**ANALYTICAL FACILITIES FOR ENV.
PRODUCT TESTING AND
MICROBIOLOGICAL ANALYSIS**

INDUSTRIAL SAFETY

**OCCUPATIONAL
HEALTH**

**TRAINING
SERVICES**

Our services are being utilized by Industries in Ankleshwar, Panoli, Jhagadia, Dahej, Vadodara, Surat, Vapi, Sanand, Kald, Kutch, Saurashtra, etc. (Clientele of over 300 clients in GIDCs & SEZs all over Gujarat)

OUR CREDENTIALS :

- ◆ **MoEF&CC** recognized Environmental Laboratory under EPA, 1986
- ◆ **NABET accredited category A EIA Consultant Organization** for Synthetic org. chemicals industry & pesticides industry
- ◆ **NABL accredited Environmental Laboratory** for ISO 17025 : 2017 compliance (TC-5007)
- ◆ **FDA approved Public Testing Laboratory**
- ◆ **GPCB recognized Environmental Auditors** (for Sch II industries)
- ◆ **DISH** approved Training Centre

☞ Our location –

Our Head Office – “Kamal Arcade – The Vertical Suncllock” is located in Ankleshwar GIDC – Asia’s largest industrial zone having over 1000 manufacturing units of all scales i.e SSIs, MSIs and LSIs and of all kinds i.e chemicals, pharmaceuticals, bulk drugs and drug intermediates, dyes and dye intermediates, fine chemicals, specialty chemicals, engineering and fabrication, etc.

“Kamal Arcade – The Vertical Suncllock” is Gujarat’s 1st Platinum certified New Green Interiors by IGBC

☞ We assist Industries for –

Project Phase

- ◆ Plot Acquisition from GIDC & SEZ
- ◆ Pollution Potential Evaluation & Treatability studies
- ◆ ETP / STP design
- ◆ Air Pollution Control Measures
- ◆ Fuel Options (Gas to briquettes)
- ◆ Hazardous waste categorization and disposal
- ◆ Actual users for by-products, inorganic salts
- ◆ Environment Clearance process
- ◆ EIA & Risk assessment
- ◆ Statutory approvals (NOC, CC&A, EC, Licenses)
- ◆ HAZOP / HAZAN / Risk Analysis

Compliances related to EHS

- ◆ Environment Audits (Sch II industries)
- ◆ EMS evaluations and adequacy certification
- ◆ Six monthly EC compliance report
- ◆ Environmental Statement
- ◆ Safety Audits & Safety studies (HAZOP/HAZAN, QRA)
- ◆ Onsite Emergency plan (Technical assistance)
- ◆ Preparation of Safety /First Aid Manuals and trainings
- ◆ Testing and Certification from Competent Person
- ◆ Certificate of Stability for Building/Civil structures

Operation

- ◆ ARC for Environmental monitoring, effluent analysis, WPM
- ◆ ETP /STP operation
- ◆ ETP /STP troubleshooting & resetup

EMS Improvement

- ◆ Water reuse & recycle options
- ◆ Zero Discharge Schemes
- ◆ Process changes for effluent reduction
- ◆ Effluent segregation and reuse options



- ◆ Change in product mix
- ◆ CTE for expansion
- ◆ Renewal of Statutory approvals
- ◆ ETP modification
- ◆ Advanced treatment schemes
- ◆ APCM modification
- ◆ Solid waste management

In all our assignments, big or small, we try to explore Cleaner Production aspects & better pollution control strategies, in service to our clients, in service to environment as a whole

ANALYTICAL SERVICES

WATER AND WASTEWATER ANALYSIS	BIOLOGICAL AND MICROBIOLOGICAL TESTING SERVICES	CHEMICAL AND PHYSICO-CHEMICAL TESTING OF PHARMACEUTICALS	
<ul style="list-style-type: none"> ■ Industrial Effluents ■ Domestic Effluents ■ Potable water, Ground water, Surface water ■ Distilled/ Demineralized water ■ Drinking water analysis (IS 10500 : 2012) ■ Package drinking water (IS 14543:2004) ■ Package Natural Mineral water (IS 13428:2005) ■ Water for (process food industry)Specification: IS 4251:1967RA 1992 E.d.1.2(2004-2008) ■ Industrial water/ cooling purpose ■ Water from steam raising (Boiler feed water, condensate water) ■ Water for swimming pools (IS 1070:1992 Reaff. 2003) 	<ul style="list-style-type: none"> ■ Microbial limits tests ■ Microbial contaminant identification ■ Bacterial endotoxin test ■ Sampling and analysis of water for pharmaceutical microbiology ■ Test for Pathogens E. Coli, S. aureus, Salmonellae, P. aeuroginasa ■ Total Count ■ Total Aerobic Microbial Count ■ Total Yeast & Mould Count ■ Total Coliform Count ■ Environmental Monitoring ■ Particulate testing <p>WATER PURIFICATION SYSTEM VALIDATION According to USP/EP/JP</p> <p>We undertake complete assignments including regular sampling at the plant for all stages of</p>	<p>Assays and chemical tests</p> <ul style="list-style-type: none"> ■ UV/Vis ■ AAS ■ Chromatographic tests ■ HPLC ■ GC ■ Identification of active ingredients and impurities 	<p>Physico-chemical determinations</p> <ul style="list-style-type: none"> ■ pH ■ Melting point ■ Flash point ■ Loss on drying ■ Limit tests ■ Calorific value ■ Heavy metals ■ Ash ■ Residual solvents ■ Disintegration ■ Dissolution ■ Hardness



	the purification system viz. raw water, sandfilter, DI equipment, RO equipment, Distillation equipment, Storage point, Distribution and use points.		
AMBIENT AIR MONITORING AND ANALYSIS	STACK EMISSION MONITORING	WORK AREA MONITORING	INDUSTRIAL HYGIENE MONITORING
FUEL ANALYSIS (FOR CV, % MOISTURE, ASH CONTENT, FLASH POINT, ETC.)	SOIL ANALYSIS (PHYSICO-CHEMICAL CHARACTERISTICS)	SOLID WASTE ANALYSIS (CV, LOI, Ash content, Contaminants)	

Service at your door step

- We can send our team for sampling or the samples may be collected and transported to our lab. We provide sample containers if required.
- Collection of samples from Ankleshwar, Panoli, Jhagadia & Dahej & response within 24 hrs .
- Test reports through e-mail for privileged customers.
- Special discounts to regular customers.
- Maintaining integrity and confidentiality

Analytical Capabilities

- Annual Rate Contracts for sampling and analysis for over 50 clients
- Water validation assignments carried out for Pharmaceutical MNCs
- Environmental Monitoring Assignments of Government Companies and corporations
- Laboratory handles over 600 samples per month
- Serving an array of industries including – pharma & pharma intermediates, pesticides, formulations, petrochemicals, resins and specialty chemicals

Our Workforce, Our Infrastructure – Our assets

- More than 40 Qualified analysts and trained field staff
- More than 80 Analytical Instruments and Lab Equipment
- Testing methods conforming to Indian and International standards
- Laboratory Management System in compliance with ISO 17025 : 2005
- In process of obtaining recognition from MoEF, GOI & FDA
- Yearly programme for external training to our chemists to upgrade their knowledge w.r.t to new methods of analysis.
- Computerized system for Laboratory information management



ENVIRONMENTAL CONSULTANCY

- ***Environmental Auditors*** for schedule II industries
- ***Evaluation of Environmental Management System (EMS) and Certification For Adequacy***
- ***Treatability study of effluents*** (for all major types of industries) – for improvement in treatment, revamping, debottlenecking of treatment plants, cost reduction, implementation of cleaner production technologies
Our studies focus on minimizing capital costs as well as operating costs for treatment of effluents. We also make use of newer strategies like Prevention at source and Cleaner production technology towards reduction in effluent generation and conservation of water resources.
- ***Study for maximum reuse of water in the plant along with calculations for savings***
The study includes identifying waste water streams, which can be reused after treatment, developing schemes for segregation of this streams from main stream, proper collection and treatment facility, recycling routes etc. The study also provides an estimate of the cost of reusing water into the plant and the savings gained through reuse of water. Our clients have successfully obtained considerable savings through our studies for water reuse.
- ***Design of ETP (new as well as for debottlenecking or expansion)- Complete Design Report with specifications and flow diagram***
- ***ETP operation and troubleshooting or resetup***
- ***Consultancy and Liasoning assistance for compliances of Environmental Act viz***
 - *Consents and Authorization of State Pollution Control board under Water Act, Air Act, and Hazardous Waste (Management and Handling) Rules,*
 - *No Objection Certificate from State Pollution Control Board*
 - *Environmental Clearance from Ministry of Environment & Forests, New Delhi.*We provide consultation and assistance to industries for complying with various statutory requirements of the Environmental Act. It includes obtaining consents and NOC from Gujarat Pollution Control Board as well as Environmental Clearance from the Ministry of Environment & Forests (MoEF), New Delhi, starting from preparation of necessary documents and drawings to follow-up in the proceedings by attending to queries and providing all necessary information and support to the board or Ministry.
- ***Environmental Impact Assessment(EIA) – Rapid & Comprehensive and Risk Assessment Studies***
- **Siddhi Green Excellence Private Limited are the first consultant from Bharuch district to be granted accreditation as EIA Consultant Organization by NABET for the project sectors – pesticides and pesticide specific intermediates (17) and synthetic organic industry (21) in Category A.**
- We carry out EIA and Risk assessment studies as per the guidelines and formats of MoEF and SEAC incorporating all necessary environmental aspects and risk scenarios using latest risk assessment and air modeling softwares. Our experts have sound professional background supported with robust industrial experience to give quality substance to our EIAs.

In all our assignments, big or small, we try to explore Cleaner Production aspects & better pollution control strategies, in service to our clients, in service to environment as a whole

Infrastructure and support system for Environmental Consultancy:

- Our team comprises of qualified engineers who have gained thorough knowledge in effluent treatment, design of Effluent treatment plants, ETP operation, EIA methodologies, risk assessment tools and techniques etc. This knowledge is coupled with the expertise of senior professionals to enable to develop methods for pollution control and prevention for various types of industries.
- We have laboratory scale effluent treatment modules for carrying out treatability of effluents.



- These include flocculation and coagulation tanks for primary treatment, aeration tank for secondary treatment and mini beds of activated carbon and sand filter for tertiary treatment. The sizing and hydraulics of ETP are designed based on the results obtained from this lab-scale treatment.
 - Advanced softwares and applications for modeling of air pollutant dispersion, meteorological data, fugitive emissions estimation, noise modeling, contour maps, GIS processing for LULC studies
 - Marine studies are carried out as per standard procedures and equipment
 - In addition to literature related to standards methods of analysis, we have developed a library of books on environmental chemistry, waste water engineering, pollution control, Hazardous waste management etc.
 - We are life members of UPL Rotary library which is only 1 km from our office, and we utilize this facility to continuously enrich our knowledge in these fields through regular reading of magazines and latest books. We have internet connection at our office computers and are members of some useful sites.
- Siddhi Green Excellence Private Limited are the first consultant from Bharuch district to be granted accreditation as EIA Consultant Organization by NABET for the project sectors - pesticides and pesticide specific intermediates (17) and synthetic organic industry (21) in Category A.

TESTING AND CERTIFICATION BY COMPETENT PERSON (CPS)

Periodic examination and testing by Competent Person, as per Factories Act 1948, including external examination, internal examination, Hydraulic/Pneumatic test, Ultrasonic thickness measurement (NDT)

- **lifting tools and tackles (section 29)**
- **hoists & lifts (section 28)**
- **pressure vessels (section 31)**
- **dangerous machinery (Centrifuge, power press etc.-Section 21)**
- **Chartered engg. Certificate**
- **Valuer - plant & machinery**

CERTIFICATE OF STABILITY

We are also associated with recognized competent person for **certificate of stability**, which is required to be obtained for every building/civil structure within the factory premises as per section 6 & 112 of Factories Act. Our competent person is also Govt. Registered Valuer for valuation of civil structures, buildings, etc.

Infrastructure and support system for Competent Person services (CPS)

- We have hydraulic pumps for carrying out hydraulic tests of pressure vessels.
- We also have Ultrasonic Thickness measurement machine (MS, SS range 1-100 mm thickness)
- We have necessary manpower required for carrying out the tests of lifting tools & tackles, pressure vessels, hoists & lifts, etc. The tests are carried out with complete support towards plant operation, with proper scheduling. Suggestions for improvement are also given by our competent persons based on their expertise gained during their course of service.
- We have authentic literature on Factories Act 1948, Gujarat Factories Act 1984 and continuously upgrade our knowledge regarding amendments and notifications issued by Factories Inspectorate.

SERVICES IN THE FIELD OF SAFETY

In today's scenario, safety of plant and personnel is given due importance owing to statutory compliance as well as the overall benefit gained in production activities. Hence, documentation and implementation of safety are dealt with more professional approach. Technical skill along with sound knowledge of safety is required for this purpose. In our team, we have qualified safety professional who have experience and expertise in safety aspects of chemical industry and are well conversant with the various statutory requirements of Factory Act, OSHA, etc.



Our safety services include -

- **Safety audit as per the guidelines of Indian standards, Factories Inspectorate**
- **Preparation of On-site emergency plan as per the guidelines of Factory Act.**
- **Preparation of safety manual, First Aid manual, etc.**
- **Monthly Safety Inspection, Safety Training**
- **HAZOP& HAZAN Study**
- **Statutory work and documentation as per rule no. 41B, 68K, L, and P of Factory Act.**

Infrastructure and support system for Safety services:

- We have authentic literature on Factories Act 1948, Gujarat Factories Act 1984, IS guidelines and procedures for safety audits, onsite & offsite emergency plans, Hazop & Hazan studies etc.
- We also make use of latest versions of softwares for HAZAN and HAZOP (such as HAZOP-Pro, PHAST) as well as Risk Assessment studies (such as ALOHA and CAMEO) which are downloaded as and when required.
- We are in constant touch with industries and acknowledge ourselves with the latest developments, new safety equipments introduced, and safety issues raised from time to time. We study the incidents caused in industries and use the outcomings to improvise our safety documentation.
- **Our strength :** Our Managing Director & CEO, Purvesh Shah, Chemical engineer, A.M.I.E, Chartered Engineer, Govt. approved Valuer, whose experience of more than 10 years in the industry is coupled with his expertise in providing consultancy in statutory compliances. Our team comprises of technocrats from various fields of engineering and science, each having sufficient experience and expertise in individual area of service. Together we aim at serving the industry by utilizing the expertise gained through years of experience.

• **Human resource :**

- ❖ Well-qualified chemists with ample experience and expertise in sampling and analysis.
- ❖ qualified engineers who have gained thorough knowledge in effluent treatment, design of Effluent treatment plants, ETP operation, etc.
- ❖ senior professionals associated with us to enable to develop methods for pollution control and prevention for various types of industries.
- ❖ necessary manpower required for carrying out the tests of lifting tools & tackles, pressure vessels, hoists & lifts, etc.

TRAININGS, LECTURES, SEMINARS, CONFERENCES





Our Training Centre

“Knowledge Enclave”

Our generations are continuously exposed to a fast upgrading hi-tech world, and there is so less time spared for teaching them the basic skills and education, which are actually of prime importance in one’s life. And It becomes our duty as technocrats to arrange for such speedy yet meaningful dissemination of knowledge and skills for our people in the manner they understand, in the manner they are comfortable.

With this motto, we have developed Our *Knowledge Enclave* to provide a platform for engaging people of all ages, communities and places - to learn, educate, develop skills, brain storm, share knowledge, demonstrate new ideas, new concepts, new innovations.

Our training modules shall be supported by demos and exhibits and shall make use of sophisticated institutional aids such as video conferencing and the like. The categories shall be both technical as well as non-technical.

“Smart education takes to smart living”

Our Valued Clients





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Rev. 05, 13-03-2019



Birla Cellulose
Fibres From Nature



COMPETENCE IN COLOR

