**Environmental Audit Laboratory**

Hon'ble High court of Gujarat's order for the Environmental Audit Scheme dated 20th December 1996, 13th March 1997, 16th September 1919, 29th June 2002, 22nd April 2010, modified vide order no 23rd January 2015, Environment Audit Cell, Department of Civil Engineering, SVNIT, Surat was nominated to carry out Environmental Audit work for the industries falling under Schedule - I category. The same has been revised as per the letter No. GPCB/EA-118/588505 Dated 19th Apr 2021 in the name of **Clean Environment Research Center (CERC), Department of Civil Engineering, SVNIT, Surat.**

Clean Environment Research Center (CERC), a virtual center which is attached to the environmental engineering laboratory. Through CERC EE lab is recognized by GPCB, Gujarat as Schedule – I auditor. Environmental Audit work of Industries assigned by GPCB is effectively carried out every year.

**The goal of the Clean Environment Research Center through Environmental Audit laboratory is to address the environmental pollution issues in the following major thrust areas:**

1) Water and Wastewater quality and treatment

2) Air quality and pollution control

3) Sustainable solid waste management and

4) Noise pollution.

CERC will always strive to do its best to protect the environment with fruitful discussion and suggestions to the industry. The outcome of the Environmental Audit will be very useful to the industry in control and mitigation of pollution.

**Types of industries for which Environmental Audit work carried out**

* Pharmaceutical industries
* Chemical industries
* Dyes and dye stuff manufacturing industries
* Sugar industries
* TSDF sites
* CETP
* Bio medical Waste management facility
* Thermal power plant
* Steel plating industries
* Pesticides manufacturing unit
* Paper industries
* Paint manufacturing industries

**Apart from schedule I auditing following types of work is carried out by Env. Engineering section with the help of environmental audit laboratory facility.**

* Performance evaluation of Environmental Management System like ETP, CETP, TSDF site, Incinerators and Recycling facility and MEE facility
* Adequacy and efficacy certification
* Hazardous waste management inventory analysis
* Vetting of Detailed Project Report for various ETP, STP, CETP and TSDF site
* Third party monitoring and Execution of Water supply project and Effluent treatment plant
* HAZOP Study and Root cause analysis study
* Bioremediation study
* Performance evaluation of low cost air pollution monitoring sensor
* Preparing Air Pollution mitigation plan for an industrial area
* Performance evaluation of various air pollution control equipments and mechanism