



# CENTRE OF EXCELLENCE

**(Div. of Vapi Green Enviro Limited)**

In the service of Industry

At Door Steps the International Services

**An ISO-9001:2015 Accredited Organization**

*Analytical Testing Laboratory & Pilot Plant*

*NABL ISO/IEC 17025:2005 Accredited Laboratory*

*Near Term Initiatives*

*Environmental Solutions*

*Analytical Application Research*

*MOU with Gujarat Cleaner Production Centre*

## Superior Analytical Solutions

- A state of art laboratory with Modern Sophisticated Instruments – NMR, ICP, GC-MS, and Particle Size Analyzer, FTIR, GC, HPLC, HPTLC and Others.
- Services provided - Materials Analysis; Problem Solving; Method Development & Validation; Contaminant Determination; Third Party Inspection; Training etc.



**FTIR- Fourier Transform Infrared Spectrometer**  
Functional Group Identification



**GC - MS : Gas Chromatograph Mass Spectrometer**  
Identification of unknown volatile Compounds



**ION CHROMATOGRAPH**  
Anion & Cation determination



**GC (ECD & NPD, FID & FPD DETECTOR)**  
Purity Determination of Volatile Compounds



**NMR - NUCLEAR MAGNETIC RESONANCE SPECTROMETER**  
Organic Structure Determination  
H1, C13, P31, N14, F19, NMR



**TGA - Thermo Gravimetric Analyzer**  
To Study Various Chemical Reaction & Thermal Stability



**DSC - Differential Scanning Calorimeter**  
To Study Various Polymer Properties



**Particle Size Analyzer**  
Particle Size Analyzer distribution of Bulk drugs, Pigments & Dyes



**HPTLC - High Performance Thin Layer Chromatography**  
Method Development & impurity profile



**ICP - OES - Inductive Coupled Plasma Optical Emission Spectrometer**  
Element Analysis in Soil, Water, Organic & Inorganic Material



**HPLC - High Performance Thin layer Chromatograph**  
Purity determination of volatile Compounds

👉 Focusing Knowledge Dissemination and Case Studies

👉 For sustainable growth and continual innovation

## A Versatile Scale-Up Solutions

- ☞ Very good infrastructure - SS Reactors; Glass Lined Reactors; Hydrogenation Reactors with Multi service facilities and Utilities
- ☞ Services - used for process optimization, yield and material balance activities by Customers
- ☞ Examples of possible Chemical Reactions, Catalytic Hydrogenation, Nitration, Sulphonation, Acylation, Esterification, Condensation, Hydrolysis, Reduction, Saponification, Formulation etc.

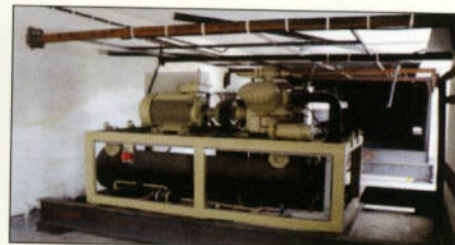
### Pilot Plant for Scale-up Activity



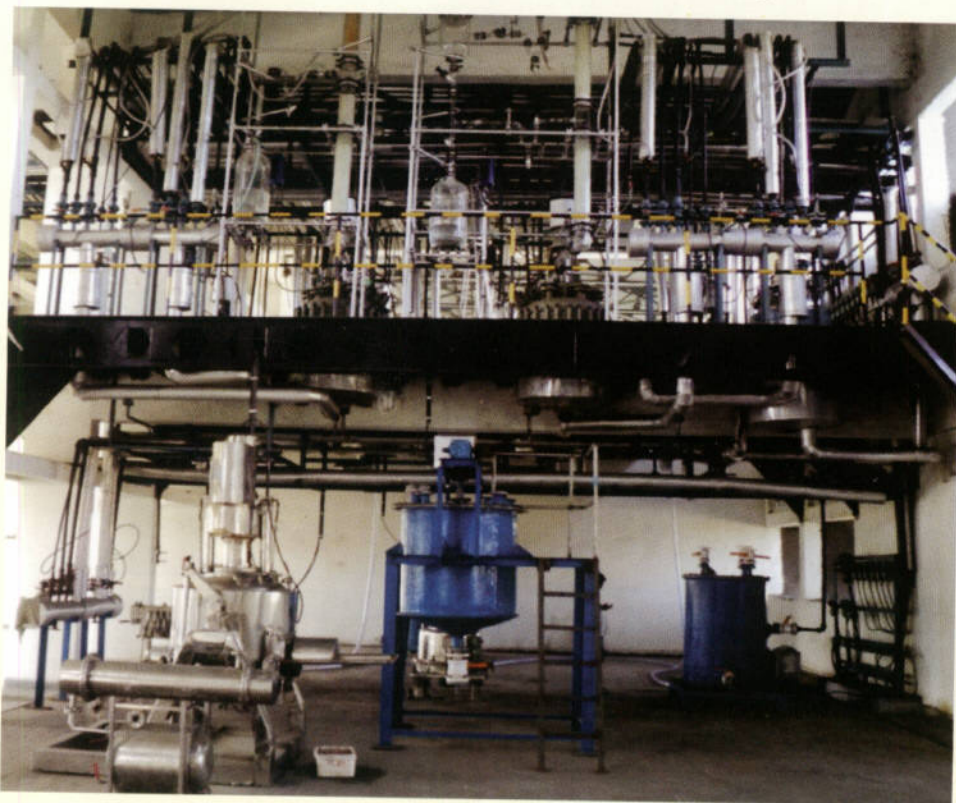
GLR - Reactors



Centrifuge



Chilling Plant



ANF - Dryer



S.S. Reactor



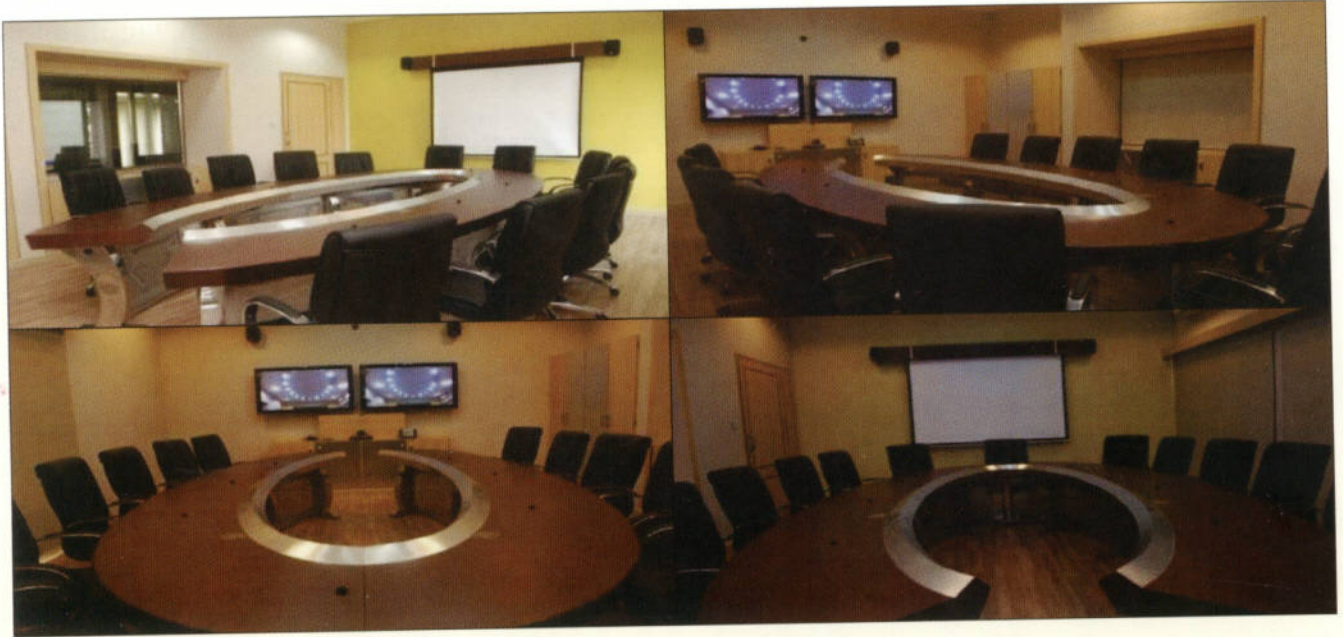
Hydrogenator



Boiler

# State of Art Information & Communication Technology Centre

**VIDEO CONFERENCE ROOM :** Video Conferencing Facilities for our centre it connect with ISDN Line. And also available in Projector.



**Convention Centre for Seminars & Conferences :** 150 Seating Capacities, Fully Air-Conditioned, Very Good Sound System and Projector.



**CONTACT :**

**COE**  
CENTRE OF EXCELLENCE

**CENTRE OF EXCELLENCE**  
(Div. of Vapi Green Enviro Limited)

1st Phase, Near GIDC Water Filtration Plant, GIDC Vapi - 396 195 Phone: 0260-2431597, 6453950  
|| Mobile - +91 9714007068 || Website: [www.coevapi.com](http://www.coevapi.com) || E-mail Id - [info@coevapi.com](mailto:info@coevapi.com), [lab@coevapi.com](mailto:lab@coevapi.com)