

# Analytical Research

The Analytical Department of IndianOil R&D is equipped with highly sophisticated state-of-the-art equipments to support various research and developmental activities related to all the core research areas such as Lubricant technology, Refining technology, Catalysts, Alternative Energy, Petrochemicals, etc. Over the years, over 100 analytical methods have been developed to gain insight into the physical & chemical characteristics and to provide methods either for quick screening or as an alternative to tedious reference standard methods viz., ASTM, BIS, DIN, IP, UOP, etc.

## **MAJOR TEST FACILITIES:**

- Transmission Electron Microscope (TEM)
- NMR (Liquid / Solid)
- HT-GPC / GPC
- ICAP / ICP-MS
- GC-MS
- HPLC / GC
- IR / Raman
- Super Fluid Chromatography (SFC)
- XRF / XRD