

Functions of Laboratory

A. Routine Activities of Laboratory

The laboratory functions as per the guidelines of NABL and by adopting Occupational health & safety management system (OH&SMS). Laboratory engaged in the analysis/ testing of following parameters.

- Total coliform (in drinking, surface water & wastewater).
- Faecal coliform (in water & wastewater).
- *Enterococcus* (in water & wastewater).
- *Faecal Streptococci* (in water & wastewater).
- *Escherichia coli* (in drinking, water & wastewater).
- Saprobic score of benthic macro-invertebrates (in surface waterbodies).
- Diversity score of benthic macro-invertebrates (in surface waterbodies).
- Acute Toxicity test in fish, in terms of Toxicity factor (in wastewater).
- Bioassay test (for the standards of Environment (Protection) Act, 1986).

B. Other Activities

- Organisation of Inter-laboratory comparison exercises for biomonitoring and toxicological related parameters.
- Assistance /training to the SPCBs/PCCs staff, other organisations, students etc.
- Water quality assessment of river Yamuna in Delhi stretch on monthly basis at four locations of the river, one location of Agra canal and 21 major drains of NCT-Delhi along with two drains of Ghaziabad.

C. Work load handled by laboratory

In the year 2020, due to covid 19 lockdown the laboratory has received lesser no. of samples for analysis. Total number of sample analysed by the laboratory during the period 2016-20 is depicted in the graph.



