

PROJECTS UNDERTAKEN

Projects	Brief Activities
Measurement of hazardous organic compounds Dioxin (PCDDs) and Furan (PCDFs) in environmental samples (Procurement of Reference Standards + other items)	Monitoring of Stationary Source Emission, HW Incinerators, Chemical Incinerators, TSDF / Municipal Waste to Energy Facilities / Major Industries Ambient Air Monitoring of PCDD / PCDF at selected critically Polluted Areas, air quality monitoring stations and at Municipal Solid Waste Landfills in NCT – Delhi.
Monitoring of micro pollutants (pesticides and heavy metals) in water and sediments of River Ganga	Repeat Assessment of status of micropollutants (31 pesticides and 14 metals) at River Ganga in water and sediments from Gangotri to Ganga Sagar in Uttarakhand, Uttar Pradesh, Bihar and West Bengal stretch of the River.
Development and Standardization of Methodology for Determination of Specific Pesticides in Aqueous and Solid Environmental Samples	Standardization of Methodology for selected specific Organo-phosphorous Pesticides (Acephate, O-methoate, Dichlorvos, Methamidophos and Edifen Phos) by GC-FPD.
Monitoring of Pesticides Residues at National Level - Sponsored project by Ministry of Agriculture, New Delhi	Quantification of 32 pesticides in 70 surface water samples in NCR each month. OCP, OPP, Synthetic Pyrethroids and Herbicides analysis and data reporting to IARI Project Office
Measurement of selective POPs in Ambient Air of selected Urban and Rural Areas (ongoing)	Measurement of selected POPs (Organo-chlorine pesticides and PCBs) in ambient air in Urban (residential / industrial areas). Sampling, processing and analysis of POPs
Annual Maintenance Contracts for Air Handling Unit, HRMS and other Equipments / Instruments, Analytical Gases, Insurance of Assets / Staff / Spares etc.	AMC of Instruments, AHU, Analytical Gases, Insurance of Assets, Instruments spares procurement.
Inter-laboratory PT Participation for HQs Laboratory & CPCB Zonal Office Laboratories	Participation of CPCB HQs and Zonal Office Laboratories in International PT Program proposed External PT participation from PT Provider Laboratory at USA
Recognition of Laboratories under the Environment (Protection) Act, 1986	Recognition of Environmental Laboratories (Govt. Sector / Pvt. – referred by MoEF) under Section 12 & 13 of E(P) Act, 1986; Organization of Expert Committee meetings periodically
Standardization of methodology for determination of pharmaceutical and personal care products (PPCPs) in environmental samples by liquid chromatograph-tandem mass spectrometry (New Project)	Methodology Standardization and validation for determination of prominent pharmaceuticals and Personal Care Products (PPCPs) in water, wastewater and sludge samples by Liquid chromatography – Tandem Mass Spectrometry (LC-MS-MS). Development of analytical protocol & SOP for PPCP analysis in environmental samples Preliminary assessment of PPCPs in selected aquatic resources.