COMMERCIALIZED SAMPLE TESTING OF WATER QUALITY PARAMETERS ACCORING TO SEQS, NEQS

#	Name of Equipment	Particulars of Tests	Approximate time required for analysis after receipt of sample(s)
1	UV-Visible Spectrophotometer Model #: Lambda 365	1. Protein, Enzyme reaction, Nitrite, Fluoride, Nitrate, Ammonia, Phosphate, Nanomaterial, Textile industries (Dyes samples) 2. DNA and RNA Quantitation 3. Cynide in water/wastewater samples	1 Week after slot booking
2	Total Organic Carbon Analyzer (TOC-TN)Model #: TOC-L CSH	1. Total Organic/InOrganic Carbon 2. Total Nitrogen measuring in water /waste water samples	1 Week after slot booking
3	High Performance Ion Chromatography (HPIC) Model #: HIC-NS	Analysis of Anions (Chloride , Bromide , Sulphate, Nitrate , Nitrite, Phosphate) in water/ waste water samples	3 Weeks after slot booking
4	Quantitative Polymerase Chain Reaction (Qpcr) Realtime Model # q-Tower3	Quantification and identification of different genes of microrganism in water/waste water samples	2 weeks after slot booking
5	Thermal Cycler Model # Biometra TRIO 48	Identification of different genes sequences of microrganism in water/waste water samples	2 weeks after slot booking
6	Colorimmeter Model # HACH, DR-900	1. Color 2. Fluoride 3. Chlorine 4. Sulfate 5. Total Suspended Solids (TSS) 6. Nitrate 7. Dissolved Oxygen (DO) in water/waste water samples	1 Week after slot booking

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7	COD Photometer Model # Lovibond MD-200	COD analysis in wastewater and Sludge samples.	1 Week after slot booking
8	Turbidity Meter Model # Lovibond TB-210 IR	Turbidity in water/waste water	2 Days after slot booking (Onsite analysis depend upon the travel distance)
9	Conductivity meter/TDS meter Model # WTW 3110	Total Dissolved Salts and Electrical Conductance in water/waste water	2 Days after slot booking (Onsite analysis depend upon the travel distance)
10	pH meter Model # HANNA HI 8464	Hydrogen ion (H+) and Hydroxyl (OH-) concentration in water/waste water	2 Days after slot booking (Onsite analysis depend upon the travel distance)
11	DO Meter Model # WTW 3630	Dissolved Oxygen (DO) in water/waste water samples	2 Days after slot booking (Onsite analysis depend upon the travel distance)
12	Florescence Microscope Model # Zeiss axios scope A 1	Morphology of microrganisms	1 Week after slot booking
13	Tripple Quadrupole LC/MS/MS System Model # Water Xevo TQ-S micro LC-MS/MS	1. Pesticides, Dyes,Nucleotides and Drugs 2. Organic compounds in water/waste water samples	2/3 Weeks after slot booking
14	Gas-Chromatogram Mass Spectrometer (GC-MS), Model# Shimadzu, Integrated with MS, FID, TCD detectors	1. Pesticides, PAHs 2. Volatile organic compounds in water/wastewater samples	2/3 weeks after booking the slot
15	Analyzer for Measuring CO/CO2	CO/CO2 in stack and ambient air Detection range: 0 - 10,000 ppm	1 weeks after booking the slot
16	HAZ-DUST EPAM 5000	Particulate mater in air Particle Size range: 1, 2.5 & 10 μm & TSP	1 weeks after booking the slot

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17	AQ-COMFORT Indoor Air Quality Monitor for CO2	indoor air pollution Detection range: 0 - 200 ppm	1 weeks after booking the slot
18	TESTO-350 Flue Gas Analyzer	Stack emissions of outdoor pollution Detection range: 0 - 10,000 ppm, Exit velocity, Emission Rate of SO2, NOx, CO, CO2, & PM2.5	1 weeks after booking the slot
19	AQ-PRO -1 AQ-PRO -1 INDOOR AIR QUALITY MONITOR for NO2	Ambient NO2 in air Detection range: 0 - 20 ppm	1 weeks after booking the slot
20	Testo 815 Noise Monitor	Indoor and outdoor noise level monitor Detection range: 32 - 130 dBA	1 weeks after booking the slot
21	Inductively Coupled Plasma- Mass Spectrometer (Multitype ICP Emission (ICP-MS) Model: Nexion 350 ICP-MS	Analyses of traces elements, metals in water, soil, plant, sludge and other solid samples; Sample Preparation through Microwave Acid Digestion for solid samples and dilution and filtration for liquid samples	2 weeks after booking the slot