








## **Infrastructural Facilities**



Laboratory have infrastructural facilities equipped with temperature control facility, sterilized/ contamination free environment auto on-off illumination facility (for toxicity test) etc. The glass wares, instruments etc. available in the facility are periodically being calibrated through NABL accredited calibration laboratories. Following are the instruments/equipment's available in the lab.

<b>Sl. No.</b>	<b>Name of instrument/equipment</b>	<b>Make</b>
1.	pH meter	Systronic
2.	DO meters	Thermo Orion and WTW
3.	Digital Balances	Sartorius and Citizen
4.	Autoclaves	Sandeep instrument & Chemicals, Ferroteck and Gautam Scientific Works
5.	Hot Air Ovens	Gautam Scientific Works
6.	Bacteriological Incubators	Sisco India and Ferroteck
7.	Laminar Flow systems	Matrix Eco Solution
8.	Compound Microscopes	Radical Instrument, Stemi and Getner India
9.	Stereo Microscopes	Wild Stero Heerbrugg and Leica Wild
10.	Ultra-wide field advance research microscope	Leitz Wetzlar
11.	Glassware washers	SMEG Instruments
12.	Ultra-pure water system	Sartorius
13.	Water purifier	Aqua guard
14.	UV Spectrophotometer	Tech Comp
15.	Refrigerators	LG, Samsung
16.	Pass box	Lab Tech Solutions

S.No	Name of Instrument/Laboratory	Pictures
1.	<b>Macro zoo-benthic specimen collection from River Ganaga and its Health Card</b>	



2.	<b>Sampling Equipments for Bio-monitoring</b>	 <p>A photograph showing sampling equipment. On the left is a green rectangular frame with a mesh screen, labeled 'ARTIFICIAL SUBSTRATUM'. Next to it is a yellow bag. To the right is a circular metal mesh frame. The items are on a wooden floor against a white wall.</p>
3.	<b>Leica Stereo Zoom Microscope</b>	 <p>A photograph of a Leica Stereo Zoom Microscope on a desk. The microscope is white and black. To its right is a computer monitor displaying a microscopic image. There are also some bottles and a roll of paper on the desk.</p>
4.	<b>Vario Orthomat Analytical Microscope</b>	 <p>A photograph of a Vario Orthomat Analytical Microscope on a desk. The microscope is white and black, with a large objective lens. It is positioned in front of a white wall with a blue shelf above it.</p>



5.	<b>Bio-monitoring Kit</b>	
6.	<b>Emergency Shower and Eye Wash Recommended by OHSMS</b>	
<b>Laboratory facility for Biological Water quality Evaluation from Sr. No 1-6</b>		
7.	<b>Incubation Room</b>	

8.	<b>Inoculation Room</b>	 <p>A photograph of an inoculation room. It features two biosafety cabinets with glass fronts and metal frames. On the counter of the left cabinet, there are various laboratory items including a bottle of disinfectant and some papers. In the background, a large metal autoclave is visible on a stand. The room has a tiled floor and a window with a metal grille.</p>
9.	<b>Room for media preparation</b>	 <p>A photograph of a room used for media preparation. The main work area is a black countertop equipped with several pieces of equipment: a large white analytical balance, a smaller white balance, a blue magnetic stirrer, and a white microscope. A window in the background provides natural light. On the wall to the left, a sign reads "DANGER (HIV Virus)".</p>
		 <p>A photograph showing a storage area for laboratory reagents and media. A blue metal shelving unit holds numerous white plastic bottles of various sizes, some with red caps. Below the bottles, on the same shelf, are several multi-well plates (microtiter plates) in blue and green frames. The setup is organized for easy access to different media components.</p>



10.	<b>Sterilization Room</b>	
11.	<b>Glassware washer</b>	
<b>Photographs showing facility for Microbiological Analysis from Sr. No.7-11</b>		

<p>12.</p>	<p><b>Culture/Stock Room</b></p>	 <p>The top photograph shows a storage area with two large white plastic tubs on a wooden pallet. One tub is labeled 'FISH-K-1 (D)'. In the background, there is a biosecurity cabinet with a sign that reads 'BIOLOGICAL SAFETY CABINET' and 'ALWAYS USE THE BIOLOGICAL SAFETY CABINET'. The bottom photograph shows a laboratory bench with blue and white cabinets. On the bench, there is a small aquarium, a water filter, and various other equipment. A sign on the wall reads 'BIOLOGICAL SAFETY CABINET'.</p>
<p>13.</p>	<p><b>Test Room</b></p>	 <p>The photograph shows a laboratory bench with blue and white cabinets. On the bench, there is a black chair, a water filter, and various other equipment. A sign on the wall reads 'BIOLOGICAL SAFETY CABINET'.</p>

		
14.	<b>Room For Wet work</b>	
<b>Photographs showing facility for Toxicity Test from Sr. No. 12- 14</b>		



