

**School of Studies in Biotechnology,  
Pt. Ravishankar Shukla University, Raipur**

**Infrastructure Facility (Current Status)**

<b>S.N.</b>	<b>Title</b>	
1	Classrooms	03
2	Laboratory	03
3	Instrumentation Room	01
4	Faculty Room	05
5	Office	01
6	Head Chamber	01
7	Tissue Culture Lab (Saveer Biotech)	01
8	Green House	01
9	Store Room	02
10	Seminar Hall	01
11	Computer Lab.	01

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**LIST OF EQUIPMENTS AVAILABLE IN THE DEPARTMENT**

**Lab Facility (Current Status)**

<b>S.N.</b>	<b>Name of the Equipment</b>	<b>Condition</b>	<b>Purpose/ Details</b>
1	Digital Microscope	Working	Observation and photography of microbial cultures
2	Spectroquant Nova 60 Photometer	Working	Quantitation of Metals
3	Thermo Cycler	Working	DNA amplification
4	Gel Doc System	Working	Documentation and analysis of Gels
5	UV-visible Spectrophotometer	Working	Analysis and quatitation of various compounds
6	UV-visible Spectrophotometer	Working	Analysis and quatitation of various compounds
7	Deep Freezer -80 <sup>0</sup> C	Working	Storage of chemicals and cultures
8	High Speed Centrifuge	Working	Isolation of various components
9	CO2 Incubator	Working	Storage of cell lines
10	Milli Q Water System	Working	Preparation of ultrapure water
11	Fluorescence Spectrofluorometer	Working	Analysis and quatitation of various compounds
12	HPLC	Working	Identification and quantification of different molecules
13	UV Trans illuminator	Working	Analysis of Gels containing DNA bands
14	Bio Safety Cabinet	Working	Working on Microbial culture.
15	Programmable Environmental Chamber	Working	Provide desired environmental condition for objective microorganisms.
16	ELISA reader (Micro Scan)	Working	Analysis and quatitation of immunological and enzymes activities.

17	Orbital Shaking Incubator	Working	Provide desired physical factor alike incubation, temp. & rpm etc. for optimal performance.
18	Air Sampler	Working	Sampling of bio-aerosol.
19	Water Quality Analyser PE 138	Working	Water quality analysis.
20	D O Analyser PE 135	Working	Measures Dissolved oxygen
21	EC-TDS Analyser CM 183	Working	Measures directly electrolyte conductivity and total dissolved solid of samples.