

Schedule-II (FOR PG)
Minimum required facilities for Central Research Laboratory

Phytochemical test facility		Available / Not Available	Deficiency
1.	Qualitative	Available	
	1. Organic tests		
	2. Inorganic tests	Available	
	3. Fluorescence analysis of powders		
	4. Chromatography	Available	
	i. TLC (Thin Layer Chromatography)		
	ii. NPST (Namboori Phased Spot Test)	Available	
	iii. Column Chromatography		
2.	Pharmacognostic	Available	
	(a) Authentication		
	(b) Macroscopic	Available	
	(c) Section microscopy		
	(d) Powder microscopy	Available	
	(e) Microtome section		
	(f) Multiple staining and permanent slide preparation	Available	
	(g) Digital microscopy		
	(h) Quantitative microscopy (Stomata number, Stomatal Index, Palisade number, Vein index number)	Available	
3.	Microbiological		
	(a) Microbial limits	Available	
	i. Total bacterial count		
	ii. Total Fungal count	Available	
	iii. Tests for specific pathogens		
	(b) Antimicrobial study (Cup Plate method, MIC and MBC)	Available	
	i. Antibacterial		
	ii. Antifungal	Available	
	(c) Microbial culture		
	i. Water	Available	
	ii. Clinical Swab		
4.	In vitro Studies:	Available	
	(a) Antioxidant		
	(b) Immunomodulatory	Available	
	(c) Antimicrobial		
	Quantitative		
1.	Flame photometry – Calcium, Sodium, Potassium,		
2.	UV – Spectrophotometry	Available	
	(a) Phenols, Flavonoids, Carbohydrate, Proteins, Sugar, Iron etc		