

**College of post-Graduate Studies in Agricultural Sciences, CAU, Umiam, Meghalaya.**

<b>Sl. No</b>	<b>Name of the Instrument &amp; Make</b>	<b>Year of Purchase</b>	<b>I/C of the equipment (Scientist Mobile No., Dept.)</b>	<b>Function of the equipment</b>	<b>Status (Working/ Repairable/ Non-repairable)</b>	<b>Log Book maintained (Yes/No) (Scan copy to be enclosed)</b>	<b>Shared with others (Yes/No) No. of user other than CAU</b>	<b>Utilization Charge/ Fee (Rs.)</b>
1	5811 000.010 Centrifuge 5810R with accessories, Sl.No. 5811YR045394	23-03- 2010	Dr.Vishram Ram, Prof., Mob: 9436766185	For separation of extractants	Working	Yes (Soft copy enclosed)	Propose	Rs. 100 (CAU) Rs.150 (Outside)
2	5811 000.010 Centrifuge 5810R with accessories, Sl.No. 5811YR045393	23-03- 2010	Dr.Mahesh Pathak, Prof., Mob: 8132873756	For separation of extractants	Working	Yes (Soft copy enclosed)	Propose	Rs. 100 (CAU) Rs.150 (Outside)

3	Nanodrop Spectrophotometer, Make: Thermo, Model: ND-2000	22-04-2010	Dr.D.Thakurina, Prof., Mob: 8787343877	Quantification of DNA concentration	Working	Yes (Soft copy enclosed)	Propose	Rs. 250 (CAU) Rs.350 (Outside)
4	96 well PikoREAL qPCR System, Batch No. PR0961400950, Sl. No. PR0961400950, Make:Thermo Scientific	27/3/2015	Dr. Ng Tombisana Meetei, Asst. Prof., Mob: 9402196140	RT-PCR of Gel Documented DNA, RNA samples	Working	Yes (Soft copy enclosed)	Propose	Rs. 1500 (CAU) Rs.2500 (Outside)
5	Double Beam Atomic Absorption Spectrophotometer, Model: SL-194,(CH. No. AQ25471751)	17/11/2016	Dr.N.Janki Singh, Assc. Prof., Mob: 9402196160	Micronutrient Analysis	Working	Yes (Soft copy enclosed)	Propose	Rs. 250 (CAU) Rs.350 (Outside)
6	Root Scanner with Accessories including Softwares, Model: Bioivs PSM R 2000	24/5/2019	Dr.K.Noren Singh, Prof., Mob: 9436890653	To See Root Morphology	Working	Yes (Soft copy enclosed)	Propose	Rs. 50 (CAU) Rs.75 (Outside)
7	Thermo Forma Biological Safety Cabinet, Class II A2 (Model No. 1386)	27-06-2019	Dr.D.Thakurina, Prof., Mob: 8787343877	Isolation, screening and sub-culture of microbail culture	Working	Yes (Soft copy enclosed)	Propose	Rs. 100 (CAU) Rs.150 (Outside)

8	Thermal Cycler (Arktik Thermal Cycler, Model No.TCA001, Dual Block	27-06-2019	Dr.D.Thakur a, Prof., Mob: 8787343877	PCR of Gel Documented DNA, RNA samples	Working	Yes (Soft copy enclosed)	Propose	Rs. 100 (CAU) Rs.150 (Outside)
9	Real Time PCR Thermal Cycler Part no.CA00043(9001650) Make:QIAGEN	20/7/2022	Dr.D.Thakur a, Prof., Mob: 8787343877	RT-PCR of Gel Documented DNA, RNA samples	Working	Yes (Soft copy enclosed)	Propose	Rs. 1500 (CAU) Rs.2500 (Outside)
10	Water-High Performance Liquid Chromatography Analytical Cum Semi-preperative HPLC System with PDA Detector Brand: WATERS Model:1525 Binery Gradient	23/8/2022	Dr.D.Thakur a, Prof., Mob: 8787343877	Identification, Separation and quantification of Organc compounds like Organic acids, Sugar molecules etc	Working	Yes (Soft copy enclosed)	Propose	Rs. 2500 (CAU) Rs.3500 (Outside)
11	Kjeldahl Digestion cum Distillation Assembly Unit with Fume Hood Model: KES 12 LR TS- KEL VAC 4 stage- Classic DX VA TS (P)-	23/8/2022	Dr.D.Thakur a, Prof., Mob: 8787343877	Estimation of Nitrogen content in plant and soil samples	Working	Yes (Soft copy enclosed)	Propose	Rs. 100 (CAU) Rs.150 (Outside)

	Digital Burette- Accessories							
12	Electrical Penetration Graph Recorder with Accessories	18/3/2023	Dr. Hossain Ali Mondal, Assoc Prof., Mob: 8640098606	To identify source of resistance/ susceptibility from host tissue against aphid feeding	Working	Yes (Soft copy enclosed)	Propose	Rs. 50 (CAU) Rs.75 (Outside)
13	Lyophilizer & Vacuum Concentration	24/3/2023	Dr.D.Thakuri a, Prof., Mob: 8787343877	Freeze drying of microbial culture for long term preservation and encapsulation preparation. Concentration of organic and in organic solvents	Working	Yes (Soft copy enclosed)	Propose	Rs. 100 (CAU) Rs.150 (Outside)

14	Gel Documentation System with CMOS Camera, Model No. Make: Bio Rad	18-09-2021	Dr. Kennedy N., Asst. Prof. Mob: 9650083531	Used to record and analyze the results of gel electrophoresis and membrane blotting experiments. These instruments are necessary for visualizing stained or labeled nucleic acids and proteins in media such as agarose, acrylamide, or cellulose.	Working	Yes (Soft copy enclosed)	Propose	Rs. 100 (CAU) Rs.150 (Outside)
15	Gel Documentation System, Model No. GelDoc Go, Make: Bio Rad	26-03-2024	Dr. Ng Tombisana Meetei, Asst. Prof., Mob: 9402196140	Routine molecular breeding, molecular biology and	Working	Yes (Soft copy enclosed)	Propose	Rs. 100 (CAU) Rs.150 (Outside)

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