

Verification Report of the high-value Scientific Equipment of the Campus, Kalyani University

Sl No.	Name of Equipment	Make	Model	ID No. / Sl. No.	Qty.	Placed at	Cost (in INR)	Funded by	Stock & Asset Register No.	Used Since	Used For	Present Condition	Usage %	Maintenance of Log book	In-Charge	Remark
DEPARTMENT OF BOTANY																
1	Quaternary Gradient HPLC System + accessories	Hitachi, Japan	Chromaster		1	Instrument Room I (NO. 301)	JPY 25,69,792 INR 13,41,343/-	DST-FIST	Yes DST-FIST II/2/P4	August 24, 2015	Research	Recently repaired; Working Condition	10	Yes	Prof. M K Adak & Prof B S Datta	Needs trained and dedicated technician
2	RT-PCR + accessories	Technique Prime	Pro 48		1	Instrument Room I (NO. 301)	USD 18,300 INR 11,65,872/-	DST-FIST	Yes DST-FIST II/2/P2	July 25, 2015	Research	Working	80	Yes	Prof. Z Hossain & Prof B S Datta	Regular Servicing required
3	RT-PCR	Applied Biosystems	Step One		1	Instrument Room I (NO. 301)	Information not available in the Dept	DST-PURSE	Not in the Dept	2015	Research	Non-Working	Na	Na	Prof. Z Hossain & Prof B S Datta	Needs Repair
4	Semi-Automatic Rotary Microtome	Thermo-Fischer Scientific	HM 340 E		1	Instrument Room I (NO. 301)	₹ 9,095 INR 9,04,374/-	DST-FIST	Yes DST-FIST II/2/P5	August 18, 2015	Research	Non-Working	Na	Na	Dr. Neera Sen Sarkar & Dr. Kakali Sen	Needs Repair and trained Technician

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5	Microtome	Medimeas			1	Instrument Room I (NO. 301)	Information not available in the Dept.	DST-PURSE	Yes	2015	Research	Non-Working	Na	Na	Dr. Neera Sen Sarkar & Dr. Kakali Sen	Needs Repair and trained Technician
6	Ultra Low Temperature (-80° C) Freezer	Haier	DW-86L628		1	Corridor at Ground Floor	6,35,935/-	DST-FIST	Yes DST-FIST II/1/P25	June 07, 2016	Research	Working	100	Yes	Prof. Zahed Hossain & Prof. Sudipta Roy	AMC coverage required
7	UV-VIS Spectrophotometer	Shimadzu	1900i		1	Instrument Room I (NO. 301)	5,66,758.50	RUSA	Yes BOT/Gen /B-1/P84	January 13, 2020	Research	Working	100	Yes	Prof. Sudipta Roy & Prof. Sudha Gupta	AMC Coverage required
8	Fluorimeter + accessories	Bibby Scientific Ltd. UK	Jenway 6285		1	Instrument Room (NO. 301)	USD 12,650 INR 8,06,310/-	DST-FIST	Yes DST-FIST II/2/P3	September 10, 2015	Research	Non-Working	NA	NA	Dr. Neera Sen Sarkar & Dr. Kakali Sen	Needs Repair and trained Technician
9	Stereo Zoom Microscope & Trinocular	Carl Zeiss, Germany	Stemi DV 4 & Axiostar Plus		1+1	Instrument Room II (NO. 306)	Euro 5520	DST-FIST	Yes DST-FIST I/1/P6,7	May 26, 2007	Research	Working	100	Yes	Prof. S N Sinha & Dr. Kakali Sen	Needs regular servicing

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	research microscope with photographic attachment															
10	Refrigerated Centrifuge	Hermle Labortechnik, Germany			1	Instrument Room II (NO. 306)	Euro 5383	DST-FIST	Yes DST-FIST I/1/P1	May 01, 2007	Research	Non-Working	NA	NA	Prof. M K Adak & Prof. B S Datta	Needs Repair
11	Rotary Evaporator with diagonal condenser & Vac V-700 pump	Buchi Labortechnik, Switzerland			1	Instrument Room (NO. 301)	CHF 6500	DST-FIST	Yes DST-FIST I/1/P5	May 05, 2007	Research	Partially Working	40%	Yes	Prof. Sudipta Roy & Prof. Sudha Gupta	Needs Repair
12	ELISA READER X-Y Reader + GEN5RC Software	Biotech, USA	ELX800		1	Instrument Room I (NO. 301)	USD 4071 INR 2,75,434	DST-FIST	Yes DST-FIST II/2/P34	September 07, 2016	Research	Working	100	Yes	Prof. Sudipta Roy & Prof. Sudha Gupta	---
13	Cold Room	Bluestar	---		1	Laboratory 1, Annex Building	Information not available in the Dept	DST-PURSE	Not in the Dept	May 29, 2015	Research	Non-Working	NA	NA	HoD	Needs Repair
14	Cold Room	Carrier Refrigeration System	---		1	1 st Floor, Main Building	9,21,995/-	DST-FIST	YES DST-FIST Cash	September 19, 2016	Research + MSc Practical	Non-Working	NA	NA	HoD	Needs Repair

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									Register							
Department of Environmental Science																
15	UV-VIS spectrophotometer	Shimadzu	UV-1900	Sl.No. A124257-81189	01	R-15	Rs. 5,66,758/-	DST-PURSE	Stock Book-1	Jan 2020	Identification and quantification of Chemical, biological & environmental samples	OK	100%	Yes	Prof. S. Mukherjee, HoD	OK
16	Fluorescence Microscope Research Microscope	Olympus	1x81 (U152) with cooled CCD camera, DP 72	Sl. No: 9L17337, N438	01	R-15	Rs. 22,80,535 /-	DST-FIST	Stock Book-1	July 2010	Commonly used for biological & environmental research	OK	>80%	Yes	Prof. S. Mukherjee, HoD	Need software & Computer upgradation & Need regular AMC
17	Fluorescence Spectrophotometer	Hitachi	Hitachi – F 7000 Model-5J1-0004	Sl. No: 2240-005	01	R-15	Rs. 20,64,706 /-	DST-FIST	Stock Book-1	March 2010	Determination of trace contaminants and characterisation of compounds with fluorescence properties	OK	>80%	Yes	Prof. S. Mukherjee, HoD	Need regular AMC
18	Ultra Centrifuge	Thermo Electron	:Sorvail WX 90 Ultra	Sl. No: 41513280	01	R-5	Rs. 22,19,552 /-	DST-FIST	Stock Book-1	15.05.2014	Ultracentrifugation makes use of high centrifugal force for studying properties of Environmental, chemical & biological particles	OK	>75%	Yes	Prof. S. Mukherjee, HoD	Need maintenance
19	Gas Chromatography	Thermo	Thermo – Trace 1310	Sl No. 714100256	01	R-5	US\$ 15600/-	DST-PURSE	Stock Book-1	Nov 2014	Separate and identify volatile and semi-volatile compounds.	Not working condition	-	Yes	Prof. S. Mukherjee, HoD	Upgradation urgently needed
20	Ion Chromatography	Thermo	Aquion	Sl. No. 160520257	01	R-15	Rs. 10,00,000 /-	DST-PURSE	Stock Book-1	Feb 2017	Analysis of different Anions & Cations in	Not working	-	Yes	Prof. S. Mukherjee, HoD	Upgradation urgently needed

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											Chemical, biological & environmental samples	condition				
21	Atomic Absorption Spectrometer	Perkin Elmer	AAAnalyst 400	Sl. No: 201S3120907	01	R-10	US\$ 29300/-	UGC-Developmental fund	Stock Book-1	2004	Quantitative determination of metals	Not working condition	-	Yes	Prof. S. Mukherjee, HoD	Upgradation/replacement urgently needed
DEPARTMENT OF FOOD & NUTRITION																
22	Refrigerated Centrifuge	REMI	NEYA16R	KU/FN/INS/15	1	Department Of Food & Nutrition	2,48,862.00	DEVELOPMENT FUND	17	2024	Centrifugation	Working	100%	Yes	Prof. J.N. Bhakta	None
23	Thermal cycler	APPLIED BIOSYSTEM	Mini AMP Plus	KU/FN/INS/25	1	Department of Food & Nutrition	2,43,080.00	DEVELOPMENT FUND	17	2024	Polymerase Chain Reaction	Working	100%	Yes	Prof. J.N. Bhakta	None
24	Flame Photometer	SYSTRONICS	Type:128		1	Department of Food & Nutrition	88,216.00	DEVELOPMENT FUND	17	2024	Metal Analysis	Working	100%	Yes	Prof. J.N. Bhakta	None
25	Probe Sonicator	LABMAN	PRO0656	KU/FN/INS/25	1	Department of Food & Nutrition	1,40,000	DEVELOPMENT FUND	17	2024	Sonication	Working	100%	Yes	Prof. J.N. Bhakta	None
Department of Ecological Studies																

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26	UV Spectrophotometer	Shimadzu	UV 1800	A11454806472CD	01	Research Lab	Rs. 384505/-	ICAR-NICRA Project Govt of India	ICEE-NICRA-01	2011	Students & Scholars	Partial Functional	90%	Year	HOD	
27	Inverted (Phase Contrast) Microscope	Olympus Corporation	CKX41 SF	CKX41	01	Research Lab	JPY 656250/- Rs. 405063/-	Dept of Higher Education Govt	ICEE EQUIP-01	2014	Students & Scholars	Functional	80%	Year	HOD	
Molecular Biology & Biotechnology																
28	Ultracentrifuge	Beckman	OPTIMA XPN 100	XPN22G 015	1	Research Laboratory, Dept. of MBBT	40.12 lakh	WBDBT	Vol 4. P 274	2023	Cell Fractionation etc	Working	100%	Yes	HoD, MBBT	All equipment is available to all researchers after submission of requisition/declaration to the HoD, MBBT
29	ChemiDoc	BioRad	XRS+	721BR10477	1	Research Laboratory, Dept. of MBBT	—	DST PURSE I	—	2015	Imaging of Blots/Gel	Working	100%	Yes	HoD, MBBT	do
30	Real Time PCR	Thermo	STEP One	271004052	1	Research Laboratory, Dept.	—	DST PURSE I	Vol 4. P 352	2015	Gene expression analysis	Working	100%	Yes	HoD, MBBT	do

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						of MBBT										
31	NanoDrop	Thermo	Nano Drop 2000	D268	1	Research Laboratory, Dept. of MBBT	USD 9608	UGC DEV Fund	Vol 4. P 26	2012	Small vol. spectrophotometer	Working	100%	Yes	HoD, MBBT	do
32	Semi Dry Transfer	Bio-Rad	Trans Bolt TURBO	690BR04 0938	1	Research Laboratory, Dept. of MBBT	2.48 lakh	RUSA	—	2024	Western Blot Transfer	Working	100%	Yes	HoD, MBBT	do
33	Type II Water Purification System	Wasser Lab	QA05 DP50UV	216091	1	Research Laboratory, Dept. of MBBT	8.47 lakh	DST PURSE I	—	2016	Water Purification	Working	100%	No	HoD, MBBT	do
34	Cold Room	Blue Star	—	—	1	Research Laboratory, Dept. of MBBT	—	DST PURSE I	—	2015	Experiments at 4°C	Working	100%	No	HoD, MBBT	do
35	Electroporator	Bio-Rad	GenePulser	619BR10 9696	1	Research Laboratory, Dept. of MBBT	6.0 lakh	DST-SERB	—	—	Electroporation	Working	100%	Yes	Dr. Swagata Ghosh	do
DBT Sponsored BIF Centre																
36.	Workstation	HP	Z2	1N13340 HQV	01	BIF Centre	717440	DBT	02	2023	Research	Working	100%	Yes	Prof. Angshuman Bagchi	Functioning

