

Institute Name : University of Calcutta**Parameter: 1D.FRU: Capital Expenditure - New Equipment for Laboratories****Expenses Incurred (Amount more than Rs. 1 lac)**

Particulars (Heads/Sub Heads)	F.Y. 2017-18
PCR- Variti of Applied Biosystem, Department of Zoology, DBT, Govt. of India (3 Nos.)	1800000
PCR- Variti of Applied Biosystem, Department of Genetics, DBT, Govt. of India	600000
PCR- Variti of Applied Biosystem, Department of Biochemistry, DBT, Govt. of India (3 Nos.)	1800000
PCR- Variti of Applied Biosystem, Department of Microbiology, DBT, Govt. of India (2 Nos.)	1200000
Atomic Absorption Spectroscopy, Perkin Elmer Singapore, Department of Environmental Science	7524000
Atomic Absorption Spectroscopy, Perkin Elmer Singapore, Central Equipment Facility	7524000
BECKMAN COULTER MODEL OPTIMA MAX XP TABLE TOP ULTRA CENTRIFUGE : 220V & 50HZ, Department of Microbiology	4050750
CO2 Incubator: Bio-Rad, Department of Biochemistry	720000
Cold Centrifuge, Thermo Fisher, Department of Biochemistry	400000
Electronic Testing and Measuring Equipments, Department of Computer Science & Engineering	250000
Computing Equipments (Workstation, Desktops and Servers), Department of Computer Science & Engineering	950000
Computing Equipments (HPC Server) , A.K. Choudhury School of IT	500000
Confocal Microscope: Olympus, Department of Zoology	15050000
Confocal Microscope: Olympus, Central Equipment Facility	15050000
Cryo Cut, Leica, Department of Zoology	2800000
Cryo Cut, Leica, Central Equipment Facility	2800000
Cryogenic Freezers -150° c (Qty 2), Thermo Scientific, Central Equipment Facility	3384000
Cryogenic Freezers -150o c (Qty 1), Thermo Scientific, Department of Physiology	1692000
Cryogenic Freezers -150o c (Qty 1), Thermo Scientific, Department of Zoology	1692000
Cryogenic Freezers -150o c (Qty 1), Thermo Scientific, Department of Biochemistry	1692000
Cultivator, WB Agro Industries Corp., University Agriculture Farm	176040
DD PCR, Bio-Rad, Central Equipment	9200000
Protien-gel Apparatus with Power Supply, Central Equipment	550000
Protien-gel Apparatus with Power Supply, Department of Zoology	550000
Protien-gel Apparatus with Power Supply, Department Microbiology	550000
Protien-gel Apparatus with Power Supply, Department of Botany	550000
Protien-gel Apparatus with Power Supply, Department of Physiology	550000
Protien-gel Apparatus with Power Supply, Department of Biochemistry	550000
Digital IC Tester Model: MME-DIT-2040 with Computer, Department of Computer Sciecne	202866
Electronic components with Digital IC Tester, Department of Radiophysics and Electronics	123000
Desktop PCs for Laboratories, Department of Radiophysics and Electronics	210670
Network Switch, Department of Radiophysics and Electronics	199908
NI CDAQ, 4 Slot Chasis, Department of Radiophysics and Electronics	276120
Electronic Equipments, Department of Electronic Science	900000
ESI-MS System (Department Of CHEMISTRY)	21490000
UV-Visible Spectrophotometer, Department of Zoology	550000
UV-Visible Spectrophotometer, Department of Botany	550000
Fluorescence Microscope, Department of Zoology	130000
Fluorescence Microscope, Department of Biochemistry	130000
Fluorescence Microscope, Department of Botany	130000
Food Technology Laboratory, Chemical Technolgy	500000
Freeze-86°C (Qty 2), Thermo Fisher, Central Equipment facility (2 Nos.)	2736000
Fuorescence Microscope, Olympus, Central Equipment facility (2 Nos.)	3200000
FUR NEC, Department of Electronic Science	125000
Gel Doc., Bio-Rad, Department of Zoology (Nos. 2)	1500000
Gel Doc., Bio-Rad, Department of Biochemistry	750000
Gel Doc., Bio-Rad, Department of Botany (Nos. 2)	1500000
Gel Doc., Bio-Rad, Department of Biotechnology	750000
Ice Maker (Qty 2), SIMAG, Central Equipment Facility	1408000
Laminar Flow, Bio-Rad, Central Equipment Facility	560000

Particulars (Heads/Sub Heads)	F.Y. 2017-18
Lyophilizer, TOKYO RIKAKIKAI CO., LTD, Central Equipment Facility (2-Qty)	1450600
Microtomy, Leica, Department of Zoology	550000
Millipore water purification, KD chemicals & scientific works, Central Equipment Facility	1622700
Multimode reader, Thermo Fisher, Central Equipment Facility (2 Nos.)	4400800
Partial installation of Antena array for ST RADAR, Department of Radiophysics and Electronics	21000000
PCR (ABI), UPE-II Non Recurring Grant, Central Facility	420000
Plant Growth Chamber, Central Equipment Facility (5 Nos.)	1850000
Real Time-PCR, Life Technologies Holdings Pte Ltd., Central Equipment Facility	1996800
REMI Centrifuge, Department of Microbiology	100000
Fluorescence Microscope, Zeiss, Department of Botany	1000000
Sea horse(EFA), Labmate(Asia) Pvt., Central Equipment Facility	1580000
PCR Gradient, Eppendorf, Department of Botany (2- Nos)	1200000
Gas Chromatography, Singapore, Perkin Elmer, Central Equipment Facility	750000
PDS (Biolytic), Bio-Rad, Department of Botany	250000
Atomic Absorbance Spectrometer, Thermo Fisher, Central Equipment Facility	550000
Sonicator, Thermo Fisher, Central Equipment Facility (2 Nos.)	1188000
Thermo Scientific, Circular Rotating Water Bath, HAAKE SC100, Central Equipment Facility	223133
Thermo Scientific, Shaker Incubator, MaxQ 6000, central Equipment Facility	597786
Ultra Freezer, Department of Zoology	650000
DNA Sequencing Machine, ABI, Central Equipment Facility	10090000
Growth Chamber, Blue Star, Department of Botany	1500000
Spectro-Fluorometer, Parkin Elmer, Department of Botany	1500000
Shaker Incubator, Department of Botany (2 Nos.)	1600000
HPLC, Department of Botany	4500000
Telescope, Department of Mathematics	1300000
Lyophilizer, Department of Botany	985600
2D Gel Electrophoresis, Department of Botany	1500000
Ultra Freezer, Department of Botany (2 Nos.)	2000000
PCR Biorad, Eppendorf, Department of Botany (2nos.)	800000
Cold Centrifuge, Department of Botany (2 Nos.)	2000000
Variable PCR Biorad, Thermo-Fisher, Department of Botany (2nos.)	1200000
Centrifuge, Department of Biophysics	6100000
Spectrofluorometer, Department of Biophysics	1020000
Live Weather Forecast Instrument, Department of Atmospheric Science	850000
Gas Chromatography, Department of Neuroscience	2864400
Inverted Microscope, Department of Neuroscience	680000
Spectrofluorometer, Department of Neuroscience	1640000
Spectrophotometer, Department of Biophysics	7000000
INSTRON, Department of Jute and Fiber Technology	7500000
Liquid Nitrogen Generator, Center for Research in Nanoscience and Nanotechnology	3300000
HPLC, Department of Neuroscience	4500000
Tensor Lab Equipments, Department of Applied Physics	900000
Deep Freezer, Department of Chemical Technology	500000
PLC Trainer, Department of Applied Physics	240000
100 Desktop Computers + Server + GPU Computing+ Networking Equipment	17244577
Reconfigurable Computing Kits & Software, Intel, Central Equipment Facility	2500000
X-Ray Diffractometer X'PERT POWDER BASIC PACKAGE (PHYSICS)	7800000
Workstation (2 Nos.) Department of Physics, DST Project Grant	247000
XILINX SOFTWARE Department of Physics, DST Project Grant	145000
XILINX FPGA Kit, Department of Physics, DST Project Grant	407000
MACBOOK PRO	130000

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