

Supplementary Information

Appendix 1. List of Institutions in Centrally Funded Institution Systems

Name of Institution	TP (2001-2020)
Indian Institute of Technology (IIT) System	
IIT Kharagpur	23246
IIT Madras	19984
IIT Bombay	19483
IIT Delhi	19226
IIT Kanpur	15452
IIT Roorkee	14150
IIT Guwahati	10499
Indian School of Mines Dhanbad	6509
IIT BHU Varanasi	6465
IIT Hyderabad	3218
IIT Indore	3174
Bhubaneswar	2191
IIT Patna	1849
IIT Ropar	1736
IIT Gandhinagar	1685
IIT Mandi	1536
IIT Jodhpur	991
IIT Tirupati	228
IIT Palakkad	196
IIT Jammu	142
IIT Bhilai	125
IIT Goa	105
IIT Dharwad	86
Council of Scientific and Industrial Research (CSIR) System	
Indian Institute of Chemical Technology (IICT)	10680
Academy of Scientific & Innovative Research (AcSIR)*	9973
National Chemical Laboratory (NCL)	8736
National Physical Laboratory (NPL)	5420
Central Drug Research Institute (CDRI)	4970
National Institute Interdisciplinary Science & Technology (NIIST)	3700
Central Food Technological Research Institute (CFTRI)	3495
Central Electrochemical Research Institute (CECRI)	3431
Central Leather Research Institute (CLRI)	3367
Indian Institute of Chemical Biology (IICB)	3111
National Institute of Oceanography (NIO)	3086
Central Salt & Marine Chemical Research Institute (CSMCRI)	2949
National Geophysical Research Institute (NGRI)	2504
Centre for Cellular & Molecular Biology (CCMB)	2477
Central Glass & Ceramic Research Institute (CGCRI)	2454
Institute of Genomics & Integrative Biology (IGIB)	2135
Indian Institute of Toxicology Research (IITR)	2104
National Botanical Research Institute (NBRI)	1979
Institute of Minerals & Materials Technology (IMMT)	1934
National Metallurgical Laboratory (NML)	1900
Central Institute of Medicinal & Aromatic Plants (CIMAP)	1862
National Environmental Engineering Research Institute (NEERI)	1804
Indian Institute of Integrative Medicine (IIIM)	1770
Institute of Microbial Technology (IMTECH)	1593
North East Institute of Science & Technology (NEIST)	1474
Institute of Himalayan Bioresource Technology (IHBT)	1421
National Aerospace Laboratories (NAL)	1414
Indian Institute of Petroleum (IIP)	1017
Central Mechanical Engineering Research Institute (CMERI)	974
Central Scientific Instruments Organisation (CSIO)	950

Central Electronics Engineering Research Institute (CEERI)	839
Advanced Materials & Processes Research Institute (AMPRI)	758
Central Institute of Mining & Fuel Research (CIMFR)	756
Structural Engineering Research Center (SERC)	618
Central Building Research Institute	422
Madras Complex (CMC)	352
Fourth Paradigm Institute (CSIR 4PI)	281
Central Road Research Institute (CRRRI)	232
National Institute of Science, Technology & Development Studies (NISTADS)	163
Human Resource Development Centre	116
National Institute of Science Communication & Information Resources (NISCAIR)	114
Open Source Drug Discovery	50
Unit for Research and Development of Information Products	45
Central University System	
University of Delhi	18353
Banaras Hindu University (BHU)	16969
Aligarh Muslim University	9699
University of Hyderabad	7764
Jawaharlal Nehru University	6752
Jamia Millia Islamia	5408
Visva Bharati	4111
Pondicherry University	3920
University of Allahabad	3757
Tezpur University	3230
North Eastern Hill University	2259
Dr. Harisingh Gour Vishwavidyalaya	2009
Assam University	1469
Hemwati Nandan Bahuguna Garhwal University	1137
Babasaheb Bhimrao Ambedkar University	1110
Guru Ghasidas Vishwavidyalaya	1076
Central University of Rajasthan	901
Mizoram University	864
Manipur University	825
Central University of Punjab	731
Tripura University	724
Central University of Kerala	556
Central University of Gujarat	508
Central University of Tamil Nadu	470
Central University of Jharkhand	446
Central University of Haryana	323
Central University of Himachal Pradesh	318
Sikkim University	307
Rajiv Gandhi University	305
Central University of Jammu	285
Central University of South Bihar	278
Nagaland University	229
Indira Gandhi National Tribal University	191
Central University of Karnataka	142
Central University of Kashmir	58
The English and Foreign Languages University	40
Department of Atomic Energy System	
Bhabha Atomic Research Centre	21922
Tata Institute of Fundamental Research (TIFR)	14558
Homi Bhabha National Institute	7251
Saha Institute of Nuclear Physics	6294
Indira Gandhi Centre for Atomic Research	5786
Tata Memorial Centre	3250
Institute of Physics, Bhubaneswar	2956
Raja Ramanna Centre for Advanced Technology	2910
National Institute of Science Education and Research	2813
Institute for Plasma Research	2587

Institute of Mathematical Sciences	2239
Variable Energy Cyclotron Centre	2227
Harish-Chandra Research Institute	1893
TIFR Centre for Interdisciplinary Sciences (TCIS), Hyderabad	535
Atomic Minerals Directorate for Exploration and Research	361
TIFR Centre for Applicable Mathematics (CAM), Bengaluru	214
Tata Institute of Fundamental Research, Balloon Facility	23
National Institute of Technology (NIT) System	
NIT Rourkela	5563
NIT Tiruchirappalli	5140
NIT Karnataka	3308
NIT Durgapur	2714
NIT Warangal	2569
Visvesvaraya NIT Nagpur	2361
Sardar Vallabhbhai NIT Surat	2357
Malviya NIT Jaipur	2342
Motilal Nehru NIT	2262
NIT Calicut	2093
NIT Kurukshetra	2064
Dr Br Ambedkar NIT Jalandhar	1889
NIT Silchar	1729
NIT Hamirpur	1558
NIT Raipur	1381
Maulana Azad NIT Bhopal	1222
NIT Agartala	1098
NIT Patna	777
NIT Srinagar	584
NIT Jamshedpur	577
NIT Meghalaya	465
NIT Manipur	353
NIT Delhi	324
NIT Goa	232
NIT Arunachal Pradesh	179
NIT Nagaland	175
NIT Uttarakhand	174
NIT Puducherry	161
NIT Mizoram	141
NIT Sikkim	133
NIT Andhra Pradesh	109
Indian Council of Agricultural Research (ICAR) System	
Indian Agricultural Research Institute	7100
Indian Veterinary Research Institute	4620
National Dairy Research Institute	3049
Central Marine Fisheries Research Institute	1247
National Bureau of Plant Genetic Resources	1124
Central Institute of Fisheries Education	1103
ICAR Research Complex for NEH Region	1030
Indian Institute of Horticultural Research	941
National Rice Research Institute	723
Central Institute of Freshwater Aquaculture	713
Central Arid Zone Research Institute	643
Indian Grassland & Fodder Research Institute	631
Central Sheep & Wool Research Institute	627
National Bureau of Fish Genetic Resources	563
National Bureau of Animal Genetic Resources	557
Indian Institute of Soil Sciences	544
Central Institute for Research on Goats	543
Central Soil Salinity Research Institute	541
Central Institute of Fisheries Technology	500
Indian Institute of Wheat & Barley Research	492
Central Avian Research Institute	487

National Institute of Animal Nutrition & Physiology	479
Indian Institute of Pulses Research	477
Central Institute Brackishwater Aquaculture	473
Central Institute on Post Harvest Engineering & Technology	472
Indian Institute of Rice Research	470
Central Inland Fisheries Research Institute	462
Central Potato Research Institute	453
Central Research Institute of Dryland Agriculture	444
Central Island Agricultural Research Institute	401
Indian Agricultural Statistics Research Institute	401
Central Tuber Crops Research Institute	398
Indian Institute of Soil & Water Conservation	388
Sugarcane Breeding Institute	366
ICAR Research Complex for Eastern Region	357
Indian Institute of Sugarcane Research	344
Indian Institute of Vegetable Research	343
Central Institute of Agricultural Engineering	340
Vivekananda Parvatiya Krishi Anusandhan Sansthan	332
Directorate of Poultry Research	324
National Bureau of Soil Survey & Land Use Planning	310
National Bureau of Agricultural Insect Resources	309
National Research Centre on Equines	306
Central Plantation Crops Research Institute	298
Central Institute for Research on Buffaloes	288
Indian Institute of Spices Research	281
National Institute of Veterinary Epidemiology & Disease Informatics	279
Central Institute of Cotton Research	261
National Research Centre on Camel	259
Indian Institute of Water Management	256
Central Research Institute for Jute & Allied Fibres	249
National Bureau of Agriculturally Important Microorganisms	241
National Research Centre for Grapes	220
National Research Centre on Yak	215
Indian Institute of Maize Research	212
National Research Centre on Mithun	208
Central Coastal Agricultural Research Institute	206
Indian Institute of Millets Research	206
Directorate of Groundnut Research	204
Central Institute of Subtropical Horticulture	199
Indian Institute of Oilseeds Research	198
Indian Institute of Farming Systems Research	191
Central Citrus Research Institute	185
Directorate of Coldwater Fisheries Research	185
Indian Institute of Soybean Research	185
Central Institute of Temperate Horticulture	178
Directorate of Medicinal & Aromatic Plants Research	174
Central Institute of Research on Cotton Technology	172
National Institute of Abiotic Stress Management	170
Central Institute for Research on Cattle	159
National Institute of High Security Animal Diseases	150
National Research Centre on Meat	147
National Research Centre on Pig	147
Central Agroforestry Research Institute	141
Central Institute for Arid Horticulture	133
National Institute of Agricultural Economics & Policy Research	131
Indian Institute of Natural Resins & Gums	123
National Research Centre for Banana	121
National Research Centre for Integrated Pest Management	112
Directorate of Weed Research	109
National Academy of Agricultural Research & Management	104
National Research Centre on Seed Spices	98

Indian Institute of Agricultural Biotechnology	91
Directorate of Mushroom Research	90
Indian Institute of Oil Palm Research	87
National Institute of Biotic Stresses Management	84
Directorate on Onion & Garlic Research	83
National Research Centre for Pomegranate	81
Central Tobacco Research Institute	68
Directorate of Cashew Research	67
Central Institute for Women in Agriculture	60
Indian Institute of Seed Research	59
Directorate of Floricultural Research	55
National Research Centre for Litchi	46
National Research Centre on Orchids	40
Department of Science and Technology (DST) System	
Indian Association for the Cultivation of Science (IACS) - Jadavpur	7892
Jawaharlal Nehru Center for Advanced Scientific Research (JNCASR)	5099
SN Bose National Centre for Basic Science (SNBNCBS)	3031
Bose Institute	3017
Sree Chitra Tirunal Institute for Medical Sciences Technology (SCTIMST)	2081
Raman Research Institute (RRI)	2061
Indian Institute of Astrophysics (IIA)	1842
International Advanced Research Centre for Powder Metallurgy & New Materials (ARCI)	1101
Wadia Institute of Himalayan Geology (WIHG)	1075
Indian Institute of Space Science & Technology	1009
Birbal Sahni Institute of Palaeobotany (BSIP)	987
Indian Institute of Geomagnetism (IIG)	953
Agharkar Research Institute (ARI)	860
Aryabhata Research Institute of Observational Sciences (ARIES)	837
Institute of Advanced Study in Science & Technology (IASST)	678
Centre for Nano & Soft Matter Sciences (CeNS)	620
Institute of Nano Science & Technology (INST)	583
National Academy of Sciences, India (NASI)	36
Technology Information, Forecasting & Assessment Council (TIFAC)	27
National Innovation Foundation (NIF)	16
Vigyan Prasar	5
Indian Science Congress Association (ISCA)	4
National Accreditation Board for Testing & Calibration Laboratories	4
Indian Space Research Organisation (ISRO) System	
Department of Space DOS Government of India	10979
Physical Research Laboratory India	3421
Vikram Sarabhai Space Center VSSC	2072
Space Applications Centre (SAC)	1559
National Remote Sensing Centre (NRSC)	1053
Indian Institute of Space Science Technology IIST	1009
U R Rao Satellite Centre (URSC)	717
Indian Institute of Remote Sensing IIRS	697
National Atmospheric Research Laboratory (NARL)	638
Liquid Propulsion Systems Centre (LPSC)	141
Semi-Conductor Laboratory (SCL)	128
ISRO Telemetry, Tracking & Command Network (ISTRAC)	72
Laboratory Electro-Optics Systems (LEOS)	56
North Eastern-Space Applications Centre (NE-SAC)	46
Satish Dhawan Space Centre (SDSC) SHAR	41
ISRO Inertial Systems Unit IISU	15
ISRO Propulsion Complex (IPRC)	13
Master Control Facility (MCF)	8
Development & Educational Communication Unit DECU	1
All India Institute of Medical Sciences (AIIMS) System	
AIIMS New Delhi	14183
AIIMS Bhubaneswar	334
AIIMS Jodhpur	329

AIIMS Rishikesh	261
AIIMS Bhopal	253
AIIMS Patna	159
AIIMS Raipur	90
AIIMS Nagpur	45
Defence Research and Development Organisation (DRDO) System	
Defence Metallurgical Research Laboratory (DMRL)	1925
Defence Research & Development Establishment (DRDE)	1310
Institute of Nuclear Medicine & Allied Sciences (INMAS)	1095
Defence Institute of Advanced Technology (DIAT)	1011
Solid State Physics Laboratory (SSPL)	823
Defence Institute of Physiology & Allied Sciences (DIPAS)	617
Defence Food Research Laboratory (DFRL)	597
Advanced Centre Research in High Energy Materials (ACRHEM)	522
Defence Materials & Stores Research & Development Establishment (DMSRDE)	518
High Energy Materials Research Laboratory (HEMRL)	441
Naval Materials Research Laboratory (NMRL)	395
Defence Research & Development Laboratory (DRDL)	299
Defence Research Laboratory (DRL)	268
Defence Laboratory (DLJ)	252
DRDO BU Center Life Sciences	232
Snow & Avalanche Study Establishment (SASE)	231
Naval Physical & Oceanographic Laboratory (NPOL)	214
Center for Fire Explosive & Environment Safety (CFEES)	211
Defence Institute of High Altitude Research (DIHAR)	187
Armament Research & Development Establishment (ARDE)	174
Laser Science & Technology Centre (LASTEC)	161
Advanced System Laboratory (ASL)	141
Instruments Research & Development Establishment (IRDE)	129
Defence Institute of Bio-Energy Research (DIBER)	116
Gas Turbine Research Establishment (GTRE)	113
Research Center Imarat (RCI)	113
Terminal Ballistics Research Laboratory (TBRL)	110
Center for Military Airworthiness & Certification (CEMILAC)	97
Microwave Tube Research & Development Center (MTRDC)	91
Combat Vehicles Research & Development Establishment (CVRDE)	78
Defence Bioengineering & Electromedical Laboratory (DEBEL)	77
Naval Science & Technological Laboratory (NSTL)	74
Aeronautical Development Establishment (ADE)	70
Scientific Analysis Group (SAG)	65
Defence Electronics Application Laboratory (DEAL)	54
Center for Artificial Intelligence & Robotics (CAIR)	46
Electronics & Radar Development Establishment (LRDE)	46
Institute of Systems Studies & Analysis (ISSA)	44
Research & Development Establishment Engineers (R&DE)	34
Research & Innovation Centre (RIC)	33
Defence Electronics Research Laboratory (DLRL)	32
Defence Terrain Research Laboratory (DTRL)	32
Proof & Experimental Establishment (PXE)	29
Defence Avionics Research Establishment (DARE)	20
Centre for Air Borne Systems (CABS)	19
Integrated Test Range (ITR)	19
Recruitment & Assessment Centre (RAC)	17
Defence Institute of Psychological Research (DIPR)	14
DRDO Integration Centre (DIC)	13
Advanced Centre Energetic Materials (ACEM)	11
Aerial Delivery Research & Development Establishment (ADRDE)	11
Vehicle Research & Development Establishment (VRDE)	10
Defence Scientific Information & Documentation Centre (DESIDOC)	8
Advanced Numerical Research & Analysis Group (ANURAG)	7
SF Complex (SFC)	7

Centre High Energy Systems & Sciences (CHESS)	6
Centre of Millimeter Wave Semiconductor Devices & Systems (CMSDS)	6
Institute of Technology Management (ITM)	5
Centre of Excellence in Cryptology (CoEC)	3
Centre Advanced Systems (CAS)	1
Joint Cypher Bureau (JCB)	1
Department of Biotechnology (DBT) System	
International Center for Genetic Engineering & Biotechnology (ICGEB)	1874
Tamil Nadu Veterinary & Animal Sciences University	1864
National Institute of Immunology - India (NII)	1537
National Centre for Cell Science, Pune (NCCS)	1470
National Institute of Plant Genome Research (NIPGR)	917
Rajiv Gandhi Centre for Biotechnology (RGCB)	906
Centre for DNA Fingerprinting & Diagnostics (CDFD)	852
Institute of Life Sciences India (ILS)	605
National Brain Research Centre (NBRC)	596
Translational Health Science & Technology Institute (THSTI)	577
Institute for Stem Cell Biology & Regenerative Medicine - inStem	427
National Agri Food Biotechnology Institute (NABI)	389
Institute of Bioresources & Sustainable Development (IBSD)	272
Regional Centre for Biotechnology	253
National Institute of Biomedical Genomics (NIBMG)	185
National Institute of Animal Biotechnology (NIAB)	161
DBT-ICT Centre for Energy Biosciences, Mumbai	94
DBT IOC Centre for Advanced Bioenergy Research, Faridabad	84
DBT-AIST International Laboratory for Advanced Biomedicine (DAILAB)	59
DBT-Pan IIT Centre for Bioenergy	44
Wellcome Trust DBT India Alliance	44
DBT-ICGEB Centre for Advanced Bioenergy Research, New Delhi	34
Biotechnology Industry Research Assistance Council (BIRAC)	17
Bharat Immunological & Biological Corporation	1
Indian Institute of Science Education and Research (IISER) System	
IISER Pune	3306
IISER Kolkata	3127
IISER Bhopal	1857
IISER Mohali	1836
IISER Thiruvananthapuram	1090
IISER Tirupati	340
Indian Council of Medical Research (ICMR) System	
ICMR - National Institute of Cholera & Enteric Diseases (NICED)	1222
ICMR - National Institute of Nutrition (NIN)	984
ICMR - National Institute for Research in Tuberculosis (NIRT)	935
ICMR - National Institute of Malaria Research (NIMR)	877
ICMR - National Institute of Virology (NIV)	727
ICMR - National Institute for Research in Reproductive Health (NIRRH)	704
ICMR - Vector Control Research Center (VCRC)	596
ICMR - National Institute of Immunohaematology (NIIH)	542
ICMR - National AIDS Research Institute (NARI)	434
ICMR - National Institute of Cancer Prevention & Research (NICPR)	385
ICMR - National Institute of Pathology (IOP)	368
ICMR - National JALMA Institute for Leprosy & Other Mycobacterial Diseases, Agra	350
ICMR - Rajendra Memorial Research Institute of Medical Sciences (RMRI)	347
ICMR - Regional Medical Research Centre (RMRC), Bhubaneswar	338
ICMR - National Institute of Epidemiology (NIE)	289
ICMR - National Institute of Occupational Health (NIOH)	246
National Centre for Disease Control (NCDC)	232
ICMR - National Institute for Research in Tribal Health (NIRTH)	204
ICMR - National Institute of Traditional Medicine (NITM)	167

ICMR - Regional Medical Research Centre, Port Blair (RMRCPB)	164
ICMR - Virus Unit, Kolkata	145
ICMR-VCRC Field Station, Madurai	122
ICMR - National Institute of Medical Statistics (NIMS)	121
ICMR - Bhopal Memorial Hospital & Research Center (BMHRC)	112
ICMR - Regional Medical Research Centre, North East Region (RMRC NE)	112
ICMR - National Institute for Research in Environmental Health (NIREH)	95
ICMR - National Animal Resource Facility for Biomedical Research (NARFBR)	72
ICMR - National Institute for Implementation Research on Non-Communicable Diseases (NIIRNCD)	60
ICMR - National Centre for Disease Informatics & Research (NCDIR)	51
ICMR - Enterovirus Research Centre	41
ICMR - Regional Medical Research Center, Gorakhpur (RMRCGKP)	19
Ministry of Earth Sciences (MoES) System	
Indian Institute of Tropical Meteorology (IITM)	1920
India Meteorological Department (IMD)	982
National Centre for Polar and Ocean Research (NCPOR)	650
National Institute of Ocean Technology (NIOT)	634
Indian National Centre for Ocean Information Services (INCOIS)	438
National Centre for Medium Range Weather Forecasting (NCMRWF)	352
National Centre for Earth Science Studies (NCESS)	328
National Centre for Coastal Research (NCCR)	244
Centre for Marine Living Resources & Ecology (CMLRE)	157
National Center for Seismology (NCS)	81
Indian Institute of Management (IIM) System	
IIM Ahmedabad	697
IIM Bangalore	502
IIM Calcutta	501
IIM Lucknow	298
IIM Indore	267
IIM Kozhikode	251
IIM Raipur	166
IIM Udaipur IMU	148
IIM Rohtak	82
IIM Ranchi	71
IIM Kashipur	66
IIM Tiruchirappalli	60
IIM Shillong	35
IIM Amritsar	27
IIM Sambalpur	20
IIM Nagpur	17
IIM Sirmaur	17
IIM Visakhapatnam	12
IIM Jammu	7
IIM Bodh Gaya	4
National Institute of Pharmaceutical Education & Research (NIPER) System	
NIPER S.A.S. Nagar (Mohali)	2260
NIPER Hyderabad	435
NIPER Ahmedabad	22
NIPER Guwahati	5
NIPER Hajipur	4
NIPER Kolkata	3
NIPER Raebareli	3