

## Department-wise Sponsored Projects Undertaken Through IRD Unit During FY 2020-21

(Data as on 15-4-2021)

S. No.	Project No.	Title	Sponsoring Agency	Sanctioned Funds (Rs. Lacs)	Start Date	Scheduled Completion Date	PI/Department	Project Department
<b>Dept. of Applied Mechanics</b>								
1.	RP03981G	Material characterization of brain tissue and development of tissue-device interaction based neurosurgical simulation tool	Indian Council of Medical Research India	426.47	01-10-2020	30-09-2023	Sitikantha Roy Dept. of Applied Mechanics	Dept. of Applied Mechanics
2.	RP04069G	J. C. Bose Fellowship	Science and Engineering Research Board (SERB) India	74.32	30-12-2020	29-10-2023	Santosh Kapuria Dept. of Applied Mechanics	Dept. of Applied Mechanics
3.	RP04023F	Maintenance and Repair Strategy for Wind Energy Development	Ministry of Foreign Affairs of Denmark	45.39	01-10-2020	30-09-2023	Puneet Mahajan Dept. of Applied Mechanics	Dept. of Applied Mechanics
4.	RP03923G	Augmentation of the PANS methodology with non-linear eddy viscosity closure for simulating turbulent separated flows.	Science and Engineering Research Board (SERB) India	29.41	19-03-2020	18-03-2022	Sawan Suman Sinha Dept. of Applied Mechanics	Dept. of Applied Mechanics

<b>Dept. of Biochemical Engineering &amp; Biotechnology</b>								
5.	RP04036G	SELECTAR: Selection for antimicrobial resistance by antimicrobial production waste	Department of Biotechnology, Ministry of Science & Technology India	89.85	16-12-2020	15-12-2023	Shaikh Ziauddin Ahammad Dept. of Biochemical Engineering & Biotechnology	Dept. of Biochemical Engineering & Biotechnology
6.	RP04030G	ResPharm: Resolving the fate and studying the impact of pharmaceutical wastes on the environment and local community of a pharmaceutical manufacturing hub.	Department of Biotechnology, Ministry of Science & Technology India	50.62	30-12-2020	29-12-2023	Shaikh Ziauddin Ahammad Dept. of Biochemical Engineering & Biotechnology	Dept. of Biochemical Engineering & Biotechnology
7.	RP04043F	Surveillance and Mitigation to combat AMR related to discharges from the antimicrobial manufactory	The Royal Embassy of Denmark	48.00	15-12-2020	14-06-2021	Shaikh Ziauddin Ahammad Dept. of Biochemical Engineering & Biotechnology	Dept. of Biochemical Engineering & Biotechnology
8.	MI02328G	Development of automated liquid procurring cassette for in vitro diagnostics (SRFship project of Mr. Sai Swaroop)	Indian Council of Medical Research India	17.04	01-02-2021	31-01-2024	Ravi Krishnan Elangovan Dept. of Biochemical Engineering & Biotechnology	Dept. of Biochemical Engineering & Biotechnology

9.	RP03951G	An investigation of life history, breeding ecology and genomic consequences of adaptation to chronic protein deficiency using experimental evolution for live-yeast deprivation on <i>Drosophila melanogaster</i> populations	Science and Engineering Research Board (SERB) India	14.19	19-06-2020	18-06-2023	Ishaan Gupta Dept. of Biochemical Engineering & Biotechnology	Dept. of Biochemical Engineering & Biotechnology
10.	RP04038G	Domesticating soil microbiome for mitigation of drought stress tolerance in tomato via rhizosphere engineering.	Department of Science & Technology (International Bilateral Cooperation Division) Egypt	11.10	05-11-2020	04-11-2022	Shilpi Sharma Dept. of Biochemical Engineering & Biotechnology	Dept. of Biochemical Engineering & Biotechnology
11.	RP04016G	Evaluation of potential diagnostic value of circRNA in meningiomas for risk stratification and its role in therapeutic intervention.	Indian Council of Medical Research India	7.31	01-12-2020	30-11-2023	Ritu Kulshrestha Dept. of Biochemical Engineering & Biotechnology	Dept. of Biochemical Engineering & Biotechnology
12.	RP04079G	Integrative transcriptome analyses of different histological and molecular subgroups of meningioma to identify prognostic signature and therapeutics targets	Indian Council of Medical Research India	7.21	26-08-2020	25-08-2021	Ritu Kulshrestha Dept. of Biochemical Engineering & Biotechnology	Dept. of Biochemical Engineering & Biotechnology

13.	MI02225G	Unravelling the role of microRNAs in hypoxia (ICMR Direct SRFship to Dr. Sonam Takkar )	Indian Council of Medical Research India	5.41	25-10-2019	24-10-2020	Ritu Kulshrestha Dept. of Biochemical Engineering & Biotechnology	Dept. of Biochemical Engineering & Biotechnology
<b>Dept. of Chemical Engineering</b>								
14.	MI02301G	Solid Waste Management under Delhi Research Implementation and Innovation (DRIIV) (Sub Project under MI02263)	Office of the Principal Scientific Adviser, Gol	119.76	07-12-2020	06-12-2023	Kamal Kishore Pant Dept. of Chemical Engineering	Dept. of Chemical Engineering
15.	RP04053G	Mechanistic and reactor-scale studies on elucidating the effect of gas composition on performance of novel non-PGM catalysts for NOx storage and reduction	Science and Engineering Research Board (SERB) India	73.41	28-12-2020	27-12-2023	Divesh Bhatia Dept. of Chemical Engineering	Dept. of Chemical Engineering
16.	RP04003F	Modeling and Simulation of Local Liquid Distribution in Trickle Bed Reactors	IFP Energies Nouvelles (IFPEN) France	61.55	25-11-2020	24-11-2024	Vivek Vitthal Buwa Dept. of Chemical Engineering	Dept. of Chemical Engineering
17.	RP04020G	Removing Contaminants from Drinking Water Using Rational Design of Transition Metal Catalysts	Department of Science & Technology` India	55.43	24-12-2020	23-12-2023	Mohammad Ali Haider Dept. of Chemical Engineering	Dept. of Chemical Engineering

18.	RP04041N	Design of Dense Slurry Transport Pipelines Using Multiphase CFD Simulations	Tata Steel Ltd, Jamshedpur India	49.16	18-01-2021	17-07-2023	Vivek Vitthal Buwa Dept. of Chemical Engineering	Dept. of Chemical Engineering
19.	RP04044G	DNA Computing Assisted by Different Structure Formations for Solving Bigger Size Combinatorial Problems	Science and Engineering Research Board (SERB) India	39.84	23-12-2020	22-12-2023	Manojkumar Charandas Ramteke Dept. of Chemical Engineering	Dept. of Chemical Engineering
20.	RP03973G	Treatment of Industrial Organic Raffinate by Coupling of Catalytic Wet Air Oxidation and Biological Process	Department of Science & Technology` India	38.61	21-11-2019	20-11-2021	Anil Kumar Saroha Dept. of Chemical Engineering	Dept. of Chemical Engineering
21.	RP03966N	Development of peptide based ELISA based assay for detection of COVID-19 (under the Corporate Social Responsibility (CSR) : Joint Project with NCL, Pune)	United Way of Bangaluru India	36.00	01-08-2020	30-04-2021	Anurag Singh Rathore Dept. of Chemical Engineering	Dept. of Chemical Engineering
22.	RP03940N	Development of ELISA based assay for detection of COVID-19	Microsoft Corporation India Pvt. Ltd. India	36.00	09-05-2020	08-05-2021	Anurag Singh Rathore Dept. of Chemical Engineering	Dept. of Chemical Engineering

23.	RP04028G	Study of self-organization of ferrofluidic-polymer thin film in presence of an external magnetic/electric field	Science and Engineering Research Board (SERB) India	34.05	28-12-2020	27-12-2023	Jayati Sarkar Dept. of Chemical Engineering	Dept. of Chemical Engineering
24.	RP04029G	Self-assembly of block copolymers under confinement	Science and Engineering Research Board (SERB) India	33.53	30-12-2020	29-12-2023	Paresh Pravinchandra Chokshi Dept. of Chemical Engineering	Dept. of Chemical Engineering
25.	RP04027G	Electrochemical model-based composition optimization and development of high energy Silicon-Carbon (Si-C) composite electrode for next-generation lithium-ion batteries	Science and Engineering Research Board (SERB) India	32.94	19-12-2020	22-12-2022	Mohan Kumar Singh Verma Dept. of Chemical Engineering	Dept. of Chemical Engineering
26.	RP03982N	Performance improvement of a methane oxidation catalyst in a stoichiometric CNG vehicle	Johnson Matthey India Pvt. Ltd. India	24.75	28-09-2020	27-09-2022	Divesh Bhatia Dept. of Chemical Engineering	Dept. of Chemical Engineering

27.	MI02299G	Identification of solid recovered fuel and optimization of process for the production of hydrogen through gasification (NPDF project of Dr. Kunwar Pal)	Science and Engineering Research Board (SERB) India	22.37	01-02-2021	31-01-2023	Kamal Kishore Pant Dept. of Chemical Engineering	Dept. of Chemical Engineering
28.	RP03990G	Development and evaluation of antigens to capture antibodies on Lateral flow immunoassay device for the screening of Covid19 infection (COVID-19 Research Consortium under National Biopharma Mission)	Biotechnology Industry Research Assistance Council (BIRAC) India	21.60	14-09-2020	13-09-2021	Anurag Singh Rathore Dept. of Chemical Engineering	Dept. of Chemical Engineering
29.	RP03965G	Single ventilator design modification for optimal multi-patient use: A CFD study	Science and Engineering Research Board (SERB) India	10.57	06-07-2020	05-07-2021	Jayati Sarkar Dept. of Chemical Engineering	Dept. of Chemical Engineering
30.	RP03937G	Study of the adsorption behavior of flue-gas contaminants using first-principle DFT simulations	Science and Engineering Research Board (SERB) India	6.60	16-03-2020	15-03-2023	Divesh Bhatia Dept. of Chemical Engineering	Dept. of Chemical Engineering

31.	RP03934G	Development of Machine Learning Based Methods for In-Silico High Throughput Screening of Catalyst Materials Utilizing Quantum Mechanical Density Functional Theory Calculations	Science and Engineering Research Board (SERB) India	6.60	17-03-2020	16-03-2023	Mohammad Ali Haider Dept. of Chemical Engineering	Dept. of Chemical Engineering
32.	MI02262G	Developing micro patterned surface for high throughput capture of bacterial and mammalian single cell (RAsip project of Dr. Deepa Dixit)	DBT- Department of Molecular Reproduction, Development & Genetics India	3.75	01-10-2020	31-03-2021	Shalini Gupta Dept. of Chemical Engineering	Dept. of Chemical Engineering
33.	RP03941N	Develop novel peptide-based therapy for COVID19	KissanKraft Foundation India	3.00	01-06-2020	30-11-2020	Anurag Singh Rathore Dept. of Chemical Engineering	Dept. of Chemical Engineering
34.	MI02261G	Exploring the multi-functional properties by tuning the anion composition: A case study from minerals to materials (RAsip project of Dr. Meenakshi Pokhriyal)	Council of Scientific & Industrial Research (CSIR) India	2.43	01-11-2020	31-03-2021	Sreedevi Upadhyayula Dept. of Chemical Engineering	Dept. of Chemical Engineering



Dept. of Chemistry								
35.	RP03969FC *under the Plship of Dean (R&D)	International Centre of Excellence for Computational and Biomedical Sciences (ICECBS)	Open Health systems Laboratory, USA United States	1000.00	01-03-2020	28-02-2025	Sunil Kumar Khare, Dean R&D Dept. of Chemistry	IRD Unit
36.	RP04039G	MD simulation studies along with experimental verification of the action of polyphenols on the species in the aggregation pathway of folded and natively unfolded proteins.	Science and Engineering Research Board (SERB) India	45.85	22-12-2020	21-12-2023	Shashank Deep Dept. of Chemistry	Dept. of Chemistry
37.	RP04046G	Electro-spun 1D highly porous metal oxides/oxo-sulphides and their nanocomposites with polymer derived carbon embedded textile fabrics for flexible supercapacitor applications	Science and Engineering Research Board (SERB) India	43.62	23-12-2020	22-12-2023	Pravin Popinand Ingole Dept. of Chemistry	Dept. of Chemistry
38.	RP03999G	Green Printing Technology for novel optical Metadevices	Department of Science and Technology (DST- International Multilateral Regional Cooperation Division) India	41.51	21-09-2020	20-09-2023	Ashok Kumar Ganguli Dept. of Chemistry	Dept. of Chemistry

39.	MI02259G	Catalyst for Selective CO <sub>2</sub> Reduction (under DST Inspire Faculty Research Grant Scheme)	Department of Science and Technology (DST) India	35.00	21-10-2020	20-10-2025	Biswarup Chakraborty Dept. of Chemistry	Dept. of Chemistry
40.	RP03958G	Chemical/Electrochemical Water Oxidation Catalytic Activity with Substituted Imidazolin-2-ylidene/Imidazolidin-2-ylidene based complexes (Women Scientist project of Dr. Amanpreet Kaur )	Department of Science & Technology` India	33.54	02-06-2020	01-06-2023	Ravi Shankar Dept. of Chemistry	Dept. of Chemistry
41.	RP04022G	Design and Applications of Donor-Acceptor Sulfoxonium Ylide Derived Carbenoids	Science and Engineering Research Board (SERB) India	33.10	13-11-2020	12-11-2022	Janakiram Vaitla Dept. of Chemistry	Dept. of Chemistry
42.	RP04021G	Uncovering multifaceted applications of phosphorus transfer reagent	Science and Engineering Research Board (SERB) India	33.10	12-11-2020	11-11-2022	Subrata Kundu Dept. of Chemistry	Dept. of Chemistry
43.	RP04025G	Studies on the Synergistic effect of Artificial Metalloenzymes with Photoredox Catalysis for Enantioselective C-C and C-N Bond Formation.	Science and Engineering Research Board (SERB) India	32.00	12-11-2020	11-11-2022	Muntha Ramu Yadav Dept. of Chemistry	Dept. of Chemistry

44.	RP04037G	Plasmonically enhanced optical control and spectroscopic monitoring of protein functions	Science and Engineering Research Board (SERB) India	27.50	01-12-2020	23-12-2022	Soumik Siddhanta Dept. of Chemistry	Dept. of Chemistry
45.	MI02280G	Synthesis of Graphene Based Quantum Dots using Deep Eutectic Solvents for Sensing of Bioactive Agents (NPDF ship project of Dr. Gagandeep Singh)	Science and Engineering Research Board (SERB) India	22.37	24-12-2020	23-12-2022	Siddharth Pandey Dept. of Chemistry	Dept. of Chemistry
46.	RP03942G	"Development of potent inhibitors against drug-resistant EGFR kinase for the treatment of EGFR positive tumors"	Science and Engineering Research Board (SERB) India	10.40	24-03-2020	23-03-2023	Gholap Shivajirao Lahu Dept. of Chemistry	Dept. of Chemistry
47.	MI02300G	Exploration of Earth Abundant Metal(s) [Ni, Co and Fe] Based MOF as Electrocatalysts for Water Splitting and Oxygen Reduction Reactions (awarded to Dr. Umesh Kumar under TARE scheme of SERB )	Science and Engineering Research Board (SERB) India	10.05	25-11-2020	24-11-2023	Pravin Popinand Ingole Dept. of Chemistry	Dept. of Chemistry

48.	MI02287G	Novel Nanoarchitectures for Selective Multistep Catalysis (Under TARE Scheme of SERB awarded to Dr. Anirban Das)	Science and Engineering Research Board (SERB) India	10.05	15-12-2020	14-12-2023	Ashok Kumar Ganguli Dept. of Chemistry	Dept. of Chemistry
49.	MI02275G	Remote C-H Functionalization of Saturated Heterocycles via Borrowing Hydrogen Strategy (Raship project of Dr. Nagaraju Vodnala)	Council of Scientific & Industrial Research (CSIR) India	0.08	12-10-2020	31-03-2021	Chinmoy Kumar Hazra Dept. of Chemistry	Dept. of Chemistry
<b>Dept. of Civil Engineering</b>								
50.	RP03970GC	Centre of Excellence (CoE) for Advance Data Management System for Highways (ADMS Highways)	National Highways Authority of India	1503.36	01-09-2020	31-08-2025	Geetam Tewari Dept. of Civil Engineering	Dept. of Civil Engineering
51.	RP04083G	Integrated study on emission inventory development, source apportionment and carrying capacity of environment for Durgapur and Asansol-Raniganj, West Bengal	West Bengal Pollution Control Board, West Bengal India	445.13	25-01-2021	24-07-2023	Gazala Habib Dept. of Civil Engineering	Dept. of Civil Engineering

52.	MI02297G	Delhi S&T Cluster - DRIV: Water Security Vertical (Sub Project under MI02263)	Office of the Principal Scientific Adviser, Gol India	98.43	07-12-2020	06-12-2023	Dhanya C T Dept. of Civil Engineering	Dept. of Civil Engineering
53.	MI02310GC	Empirical Assessment of Schedule and Cost Performances of Various Contracts of NHAI and Development of a Decision Support Framework to Improve the Performances (Sub project under NHAI COE main project # RP03970)	National Highways Authority of India	84.00	04-01-2021	03-01-2024	Kumar Neeraj Jha Dept. of Civil Engineering	Dept. of Civil Engineering
54.	MI02302GC	An approach towards creating a safe traffic work zone environment on National Highways (Sub project under RP03970)	National Highways Authority of India	71.20	08-02-2021	07-02-2023	Ramachandra Rao Kalaga Dept. of Civil Engineering	Dept. of Civil Engineering
55.	RP04092G	Real-time measurement and assessment of ground vibrations induced by metro and high speed trains moving over elevated viaducts	Science and Engineering Research Board (SERB) India	69.11	11-03-2021	10-03-2024	Bappaditya Manna Dept. of Civil Engineering	Dept. of Civil Engineering
56.	RP03985F	Development of functional admixtures for application to sustainable cements	Chryso SAS (IU France	60.00	01-09-2020	31-08-2023	Shashank Bishnoi Dept. of Civil Engineering	Dept. of Civil Engineering

57.	RP04065G	Pilot Study for Assessment of Reducing Air Pollution in Urban Area by Using Air Cleaning System (Smog tower)-DPCC	Delhi Pollution Control Committee (DPCC) India	50.29	05-02-2021	06-09-2023	Sri Harsha Kota Dept. of Civil Engineering	Dept. of Civil Engineering
58.	RP03980G	Pilot Study for Assessment of Reducing Air Pollution in Urban Area by Using Medium Scale Cleaning System (Joint project with IIT Bombay)	Central Pollution Control Board India	50.29	22-09-2020	21-06-2023	Sri Harsha Kota Dept. of Civil Engineering	Dept. of Civil Engineering
59.	RP03975G	Assessing the environmental fate and transport of a mixture of nano-particles through soil (under Nano Mission Scheme)	Department of Science & Technology India	49.91	24-08-2020	23-08-2023	Arun Kumar Dept. of Civil Engineering	Dept. of Civil Engineering
60.	RP04018G	Metawall: metamaterial based lightweight panel wall for enhanced building acoustics and seismic resistance	Department of Science & Technology (International Bilateral Cooperation Division) India	34.42	17-11-2020	16-11-2022	Arnab Banerjee Dept. of Civil Engineering	Dept. of Civil Engineering
61.	MI02291GC	Machine learning assisted incident analysis and prediction using structured and unstructured NHAI data (Sub Project under RP03970)	National Highways Authority of India	30.61	01-02-2021	31-01-2023	Manoj M Dept. of Civil Engineering	Dept. of Civil Engineering

62.	MI02308GC	Multi-objective optimization of Highway Projects using Machine Learning and Data- Drive Modeling (Sub- Project under CoE Main Project No. RP03970)	National Highways Authority of India	24.88	07-12-2020	06-12-2022	Anoopkrishnan Naduvath Mana Dept. of Civil Engineering	Dept. of Civil Engineering
63.	MI02294G	Novel Passive Electromagnetic Dampers for Vibration Control of Structures (awarded under DST-TARE Scheme to Dr. Bhargav Shobhana Bharatbhai )	Science and Engineering Research Board (SERB) India	10.05	15-12-2020	14-12-2023	Vasant A Matsagar Dept. of Civil Engineering	Dept. of Civil Engineering
64.	RP03978N	Natural Fibre-Reinforcement Material for Low-Cost Seismic Base Isolation of Structures (Under Corporate Social Responsibility- CSR)	Resistoflex Dynamics Pvt. Ltd., Noida India	10.00	19-08-2020	18-08-2021	Vasant A Matsagar Dept. of Civil Engineering	Dept. of Civil Engineering
65.	RP03971G	Air-Quality Impact on Transport choices (A-QUIT)	Central Pollution Control Board., New Delhi India	6.73	22-01-2020	28-02-2022	Manoj M Dept. of Civil Engineering	Dept. of Civil Engineering
66.	RP03991G	Nanotechnology-SAICM (Strategic Approach to International Chemical Management)	IIT Madras India	1.83	25-02-2020	24-02-2021	Arun Kumar Dept. of Civil Engineering	Dept. of Civil Engineering

<b>Dept. of Computer Science &amp; Engg.</b>								
67.	RP03950G	Advanced Vision Technologies for Road Mobility and Safety	Science and Engineering Research Board (SERB) India	51.27	05-02-2020	04-06-2023	Chetan Arora Dept. of Computer Science & Engg.	Dept. of Computer Science & Engg.
68.	MI02292GC	A system for organizing and searching all digitized data at NHAI (sub project under RP03970)	National Highways Authority of India	32.00	20-01-2021	19-01-2023	Maya Ramanath Dept. of Computer Science & Engg.	Dept. of Computer Science & Engg.
69.	RP03974F	CHOMP - Cache Hierarchy Management in Heterogeneous MPSoCs	Semiconductor Research Corporation United States	27.00	01-09-2020	31-08-2023	Preeti Ranjan Panda Dept. of Computer Science & Engg.	School of Information Technology
70.	RP04048G	Machine Learning model for early diagnosis of stroke in resource limited settings	Department of Biotechnology, Ministry of Science & Technology India	21.11	01-01-2021	31-12-2022	Rahul Garg Dept. of Computer Science & Engg.	School of Information Technology
71.	RP03989F	Contextual Rendering of Equations for Visually Impaired Persons	Google Inc. United States	18.38	01-01-2021	31-12-2021	M Balakrishnan Dept. of Computer Science & Engg.	School of Information Technology
72.	RP04082N	Google AI/ML Research Award in ML Systems to Rijurekha Sen	Google India Pvt. Ltd India	11.70	31-03-2021	30-03-2024	Rijurekha Sen Dept. of Computer Science & Engg.	Dept. of Computer Science & Engg.



<b>Dept. of Design</b>								
73.	RP04050G	CSC sponsored design and innovation lab at Department of Design	CSC e-Governance Services India Limited, New Delhi India	187.83	04-03-2021	03-03-2026	Jyoti Kumar Dept. of Design	Dept. of Design
74.	RP03949G	Development of Automated Basti Yantra- A comprehensive tool for Therapeutic Induction of Enema	Central Council For Research In Ayurvedic Sciences India	83.21	11-06-2020	10-06-2022	Sumer Singh Dept. of Design	Dept. of Design
75.	RP03983G	Pilot Implementation of a System for Unassisted Navigation in Public Building for People with Visual Impairment	World Health Organization India	9.66	01-09-2020	31-03-2021	P V Madhusudhan Rao Dept. of Design	School of Information Technology
76.	RP04004G	Deployment of a food box and liquid container which works on a low-cost water activated powerless heating system	North East Centre for Tech application & Research India	9.35	23-11-2020	22-11-2021	Sumer Singh Dept. of Design	Dept. of Design
<b>Dept. of Electrical Engineering</b>								
77.	RP03936G	Neurocomputing and Cognitive Intelligence	Ministry of Electronics and Information Technology India	231.31	11-05-2020	10-05-2023	Tapan Kumar Gandhi Dept. of Electrical Engineering	Dept. of Electrical Engineering

78.	RP04040N	Development of Indigenous Simulation Model for Design and Validation of Traction Power Supply System (ISIMTRAC)	High Speed Railways Innovation Center (HSRIC) Trust India	143.99	20-01-2021	19-01-2024	Abhijit Ramchandra Abhyankar Dept. of Electrical Engineering	Dept. of Electrical Engineering
79.	RP03947G	Spin orbit torque driven domain wall synapse based hardware neural network	MHRD - Scheme for Transformational and Advanced Research in Sciences (STARS) [Implemented by IISc Bangalore] India	99.64	07-06-2020	06-06-2023	Debanjan Bhowmik Dept. of Electrical Engineering	Dept. of Electrical Engineering
80.	RP03962G	3D Motion Perception in children with Eye-motion disorders	Department of Science & Technology` India	77.26	05-03-2020	04-03-2023	Tapan Kumar Gandhi Dept. of Electrical Engineering	Dept. of Electrical Engineering
81.	RP03911G	MEMS RF Power amplifier with high figure of merit	Science and Engineering Research Board (SERB) India	75.99	03-03-2020	02-03-2023	Bhaskar Mitra Dept. of Electrical Engineering	Dept. of Electrical Engineering
82.	RP03932G	Design and Development of Plasmonic Interconnects and Switches	Science and Engineering Research Board (SERB) India	66.71	04-02-2020	03-02-2023	Anuj Dhawan Dept. of Electrical Engineering	Dept. of Electrical Engineering
83.	RP03927G	Next-generation Indoor Communication Networks (NICNet)	Science and Engineering Research Board (SERB) India	66.13	03-03-2020	02-03-2023	Abhishek Dixit Dept. of Electrical Engineering	Dept. of Electrical Engineering

84.	RP04061G	Large Area Microbolometer Uncooled Focal Plane Arrays for Thermal Imaging	Department of Science & Technology (International Bilateral Cooperation Division) India	54.80	12-02-2021	11-02-2023	Madhusudan Singh Dept. of Electrical Engineering	Dept. of Electrical Engineering
85.	RP03928G	Sustainable Network Communication through Cognitive Intelligence at the Edge	Science and Engineering Research Board (SERB) India	53.86	30-03-2020	29-03-2023	Swades Kumar De Dept. of Electrical Engineering	Bharti School of Telecommunication Technology & Management
86.	MI02304G	Delhi Cluster Project for E-Mobility-Sustainable Mobility Theme proposal 5 (b) (Sub project under the DRIIV main Project MI02263)	Office of the Principal Scientific Adviser, GoI	50.50	07-12-2020	06-12-2023	Bijaya Ketan Panigrahi Dept. of Electrical Engineering	Centre for Automotive Research and Tribology (CART)/ITMMEC
87.	RP04081G	Design of Charge Recycling ternary RF DAC based transmitter for software defined Radios	Science and Engineering Research Board (SERB) India	46.47	20-03-2021	19-03-2024	Rakesh Kumar Palani Dept. of Electrical Engineering	Dept. of Electrical Engineering
88.	RP04084F	Ultra Compact Traction Inverter for EV application	AT & S Austria Technologie & Systemtechnik AG Austria	45.17	01-12-2020	31-05-2023	Soumya Shubhra Nag Dept. of Electrical Engineering	Dept. of Electrical Engineering

89.	RP03998G	High Efficiency Micro-electromagnetic Energy Harvesting System for Self-powered Smart Environment - EMPOWER (Indo-Norway Joint project)	Department of Science & Technology (International Bilateral Cooperation Division) India	39.07	11-11-2020	10-11-2023	Dhiman Mallick Dept. of Electrical Engineering	Dept. of Electrical Engineering
90.	RP04089G	MEMS for Electric Machines and Drives	Ministry of Electronics and Information Technology India	37.38	21-01-2021	20-01-2024	Amit Kumar Jain Dept. of Electrical Engineering	Dept. of Electrical Engineering
91.	MI02322G	Graph Based Optimisation and Algorithms for Machine Learning (Inspire Faculty award project)	Department of Science and Technology (DST) India	35.00	02-12-2020	01-12-2025	Sandeep Kumar Dept. of Electrical Engineering	Dept. of Electrical Engineering
92.	RP04001G	An efficient EV Power train for long range Electric Vehicles	Science and Engineering Research Board (SERB) India	32.89	06-11-2020	05-11-2022	Soumya Shubhra Nag Dept. of Electrical Engineering	Dept. of Electrical Engineering
93.	RP04060G	Design and development of MEMS based detectors and their real time testing as Infra-Red Laser based sensor system for Environmental monitoring	Department of Science and Technology (DST) India	29.88	18-03-2020	17-09-2022	Bhaskar Mitra Dept. of Electrical Engineering	Dept. of Electrical Engineering

94.	RP04066G	A Data-Centric Approach to Study Fundamental Limits of Communication in Adversarial Wireless Networks	Ministry of Electronics and Information Technology India	29.10	17-02-2021	16-02-2023	Harshan Jagadeesh Dept. of Electrical Engineering	Dept. of Electrical Engineering
95.	RP04056G	Developing district-level forecasts of vaccine coverage and inferring vaccine confidence across India using large public health datasets	Department of Biotechnology, Ministry of Science & Technology India	24.13	18-01-2021	17-07-2022	Sumeet Agarwal Dept. of Electrical Engineering	Dept. of Electrical Engineering
96.	MI02331G	Development of brain-computer interface for hybrid upper limb neuro-prosthesis control (PDF project awarded to Dr. Rohit Gupta)	Science and Engineering Research Board (SERB) India	22.37	10-02-2021	09-02-2023	Tapan Kumar Gandhi Dept. of Electrical Engineering	Dept. of Electrical Engineering
97.	MI02290G	Optimal Charging Algorithm and Power Converter Topology of DC Fast Charger for Different Capacities electric Vehicle Battery (SERB National Post Doctoral Fellowship project award to Dr. Kashyap Kumar Prabhakar )	Science and Engineering Research Board (SERB) India	22.37	27-01-2021	26-01-2023	Bijaya Ketan Panigrahi Dept. of Electrical Engineering	Dept. of Electrical Engineering

98.	MI02231G	Study and development of Surface-Enhanced Raman Scattering (SERS) enabled opto-microfluidic platform for diagnosis of Neurodegenerative disorders (ICMR Direct RAsip project of Dr. Siddharth Kaushik )	Indian Council of Medical Research India	21.58	12-06-2020	11-06-2023	Anuj Dhawan Dept. of Electrical Engineering	Dept. of Electrical Engineering
99.	RP03967G	Computational and Cognitive Models of Language Production and Comprehension: A Crosslinguistic Investigation of Hindi and English Word Order	Department of Science & Technology` India	20.68	18-03-2020	17-03-2023	Sumeet Agarwal Dept. of Electrical Engineering	Dept. of Electrical Engineering
100.	RP03979G	Indo-Danish collaboration for data-driven control and optimization for a highly Efficient Distribution Grid (ID-EDGe)	IIT Roorkee India	11.00	26-06-2019	25-06-2022	Sukumar Mishra Dept. of Electrical Engineering	Dept. of Electrical Engineering
101.	MI02277G	Expert Panel for consideration and budget negotiation meeting of project received under India-EU Joint call on Integrated Local Energy Systems	Department of Science and Technology (DST) India	9.50	28-12-2020	27-05-2021	Sukumar Mishra Dept. of Electrical Engineering	Dept. of Electrical Engineering

<b>Dept. of Humanities &amp; Social Sciences</b>								
102.	RP04051G	Testing lateralization and sex differences in cognitive and affective processing	Department of Science and Technology (DST) India	64.67	12-03-2020	11-03-2023	Varsha Singh Dept. of Humanities & Social Sciences	Dept. of Humanities & Social Sciences
103.	RP03959G	Syntactic Complexity in Context: Role of Discourse and Priming during Hindi comprehension	Department of Science & Technology` India	41.86	16-03-2020	15-03-2023	Samar Husain Dept. of Humanities & Social Sciences	Dept. of Humanities & Social Sciences
104.	RP04071G	Exploring risk factors of adverse maternal and child health outcomes using machine learning and other advanced data analytical approaches.	Department of Biotechnology, Ministry of Science & Technology India	29.75	08-03-2021	04-04-2022	Sourabh Bikas Paul Dept. of Humanities & Social Sciences	Dept. of Humanities & Social Sciences
105.	RP03960F	Divine Ganges, Profane Development: Sacred Geographies and the Governing of Pollution	Swedish Research Council Sweden	18.30	13-05-2020	12-05-2023	Yashpal Ashokrao Jogdand Dept. of Humanities & Social Sciences	Dept. of Humanities & Social Sciences
106.	RP03961F	A Pilot Study to Develop and Test ICT Tools to Improve Timeliness of Vaccination in Bihar	London School of Economics and Political Science (LSE) United Kingdom	17.77	01-03-2020	30-04-2021	Sisir Debnath Dept. of Humanities & Social Sciences	Dept. of Humanities & Social Sciences

107.	RP03926G	A Multidimensional Study on Happiness among Indians	Happiness Ministry in Madhya Pradesh India	10.00	18-03-2020	17-03-2023	Kamlesh Singh Dept. of Humanities & Social Sciences	Dept. of Humanities & Social Sciences
<b>Dept. of Management Studies</b>								
108.	RP04054F	COVID 19 Vaccine Roll out: Institutional Management Partner	Bill & Melinda Gates Foundation United States	370.00	20-01-2021	19-01-2022	Sushil Dept. of Management Studies	Dept. of Management Studies
109.	RP03929G	Data and Decision Sciences for Reducing Gap in Tribal Areas	Ministry of Tribal Affairs India	30.60	08-05-2020	31-05-2021	Surya Prakash Singh Dept. of Management Studies	Dept. of Management Studies
110.	RP04017G	Adoption of International Financial Reporting Standards (IFRS)	Ministry of Corporate Affairs India	18.00	18-11-2020	17-05-2021	Neeru Chaudhry Dept. of Management Studies	Dept. of Management Studies
111.	RP04073G	Co-innovation in Electric Vehicle (EV) sector in India: Cross-sectoral and collaborative research between India and Japan for low-carbon transition (Under ICSSR (India)-JSPS (Japan) Bilateral Programme)	Indian Council of Social Science Research India	12.29	01-04-2021	31-03-2023	Gourav Dwivedi Dept. of Management Studies	Dept. of Management Studies



112.	MI02203N	Excellence in School Education	NIIT Ltd. India	3.51	04-04-2020	03-04-2021	Harish Chaudhry Dept. of Management Studies	Dept. of Management Studies
113.	RP04012G	Impact of Covid-19 Crisis on the Indian MSME Sector	Goa Institute of Management India	2.50	16-10-2020	15-10-2021	Smita Kashiramka Dept. of Management Studies	Dept. of Management Studies
<b>Dept. of Material Science &amp; Engineering</b>								
114.	RP04011G	Continuous Flow Electrode Capacitive Deionization to Mitigate Water-Energy Nexus Trade-offs in Desalination	Ministry of Science & Technology, DST India	66.35	17-12-2020	16-12-2023	Bijay Prakash Tripathi Dept. of Material Science & Engineering	Dept. of Material Science & Engineering
115.	RP04006G	Design of membrane integrated paper folding device for flow through multiplexed nucleic acid assay	Indian Council of Medical Research India	52.26	20-12-2020	19-12-2023	Bijay Prakash Tripathi Dept. of Material Science & Engineering	Dept. of Material Science & Engineering
116.	RP04031G	Tribo-printing of self-healing and self-lubricating hybrid nano-coatings for energy efficient tribological applications	Science and Engineering Research Board (SERB) India	48.22	28-12-2020	27-12-2023	Nitya Nand Gosvami Dept. of Material Science & Engineering	Dept. of Material Science & Engineering

117.	RP04035G	Macroporous Polymeric Gels Reinforced with Organically Modified Silica for Water Disinfection: Synthesis, Antimicrobial Activity, Nanoscale Mechanical Characterization	Science and Engineering Research Board (SERB) India	45.91	30-12-2020	29-12-2023	Leena Nebhani Dept. of Material Science & Engineering	Dept. of Material Science & Engineering
118.	RP04042G	Fracture and Fatigue of bulk metallic glass composites with transformable beta-Ti dendritic reinforcements	Science and Engineering Research Board (SERB) India	33.00	23-12-2020	22-12-2022	Lakshmi Narayan Ramasubramania Dept. of Material Science & Engineering	Dept. of Material Science & Engineering
119.	MI02234G	Solvent Properties and Biomolecular Stability in the Intracellular Environment: Molecular Origin of Macromolecular Crowding Effects (INSPIRE Faculty Award of Divya Nayar transferred from IIT Kharagpur)	Department of Science & Technology` India	31.70	04-06-2020	23-01-2024	Divya Nayar Dept. of Material Science & Engineering	Dept. of Material Science & Engineering
120.	RP04049G	Enhancement of mechanical properties through microstructure modifications in non-equiatomic CoCrFeNi High entropy alloys	Science and Engineering Research Board (SERB) India	26.51	22-01-2021	21-01-2024	Jayant Jain Dept. of Material Science & Engineering	Dept. of Material Science & Engineering

121.	RP04080G	Compartmentalized particles as a multiple drug delivery kit for efficient management of Parkinsons disease	Indian Council of Medical Research India	24.04	15-03-2021	14-03-2023	Sampa Saha Dept. of Material Science & Engineering	Dept. of Material Science & Engineering
122.	RP04088G	Development of functionally designed and graded aliphatic polyester-based barrier membranes for periodontal regeneration (ALIPO-BARIUM)	Indian Council of Medical Research India	22.14	29-03-2021	28-03-2023	Bhabani Kumar Satapathy Dept. of Material Science & Engineering	Dept. of Material Science & Engineering
123.	RP04076G	Investigation of Macromolecular Crowding Effects on Self-Assembly of Functionalized Nanoparticles using High Performance Computing	Department of Science and Technology (DST) India	14.51	12-03-2021	11-03-2023	Divya Nayar Dept. of Material Science & Engineering	Dept. of Material Science & Engineering
124.	RP04013G	Nanotribological studies to explore a bottom up framework for efficient and defect free chemical mechanical planarization/polishing of single crystal semiconductor wafers.(under CARS Scheme)	Solid State Physics Laboratory, DRDO, Min. of Defence India	9.91	01-02-2021	31-07-2022	Nitya Nand Gosvami Dept. of Material Science & Engineering	Dept. of Material Science & Engineering

Dept. of Mathematics								
125.	RP03977NC	Establishment of Centre of Excellence under Industry Alliance on Artificial Intelligence	NOKIA Solutions and Networks India Pvt. Ltd., Noida, UP India	103.81	01-09-2020	31-08-2023	Niladri Chatterjee Dept. of Mathematics	Dept. of Mathematics
126.	RP04047G	Investigations on Multivariate Constrained Approximation with Fractal Functions and its Applications in Geometric Modeling	Science and Engineering Research Board (SERB) India	21.49	13-01-2021	12-01-2024	Viswanathan Puthan Veedu Dept. of Mathematics	Dept. of Mathematics
127.	RP04045G	Some Approximation Theoretic Aspects of Fractal Functions on the Sierpinski Gasket and other Fractal Domains (under MATRICS Scheme)	Science and Engineering Research Board (SERB) India	6.60	28-12-2020	27-12-2023	Viswanathan Puthan Veedu Dept. of Mathematics	Dept. of Mathematics
128.	RP03955G	Image of locally finite and locally nilpotent derivations over the polynomial algebra	Science and Engineering Research Board (SERB) India	6.60	19-03-2020	18-03-2023	Surjeet Kour Dept. of Mathematics	Dept. of Mathematics
129.	RP03954G	Layer Resolving Numerical Schemes and their Analysis for Certain Class of Singular Perturbation Problems with Smooth and Nonsmooth Data	Science and Engineering Research Board (SERB) India	6.60	10-02-2020	09-02-2023	S Chandra Sekhara Rao Dept. of Mathematics	Dept. of Mathematics

130.	RP03933G	Pseudo-Differential Calc1ulus On The Affine Group	Science and Engineering Research Board (SERB) India	6.60	14-02-2020	13-02-2023	Aparajita Dasgupta Dept. of Mathematics	Dept. of Mathematics
131.	MI02250G	Partial differential equations on the hyperbolic space (Inspire Faculty Award transferred from IISER Pune to IIT Delhi)	Department of Science & Technology` India	5.92	24-02-2020	13-05-2023	Debdip Ganguly Dept. of Mathematics	Dept. of Mathematics
<b>Dept. of Mechanical Engineering</b>								
132.	RP03986NC	Daksh Centre of Excellence (CoE) for Law and Technology	Daksh Society India	1500.00	09-10-2020	08-10-2025	Nomesh Bhojkumar Bolia Dept. of Mechanical Engineering	Dept. of Mechanical Engineering
133.	RP03931G (this project was also included in the data of 2019-20 later the project start date changed)	ASEAN PhD Fellowship Programme Secretariat	Ministry of Human Resource & Development India	927.80	02-04-2020	01-04-2027	Nomesh Bhojkumar Bolia Dept. of Mechanical Engineering	Dept. of Mechanical Engineering
134.	RP04015G	Development of Dental Implants for Advanced and Critical Applications (Joint project WITH maids- Malulana Azad Institute of Dental Sciences)	NMITLI, PPD, Council of Scientific & Industrial Research (CSIR) India	343.49	01-01-2021	31-12-2023	Naresh Bhatnagar Dept. of Mechanical Engineering	Dept. of Mechanical Engineering

135.	RP04007N	Development of Indigenous Simulation Model for Design Validation of OHE Pantograph Interaction	High Speed Railways Innovation Center (HSRIC) Trust India	138.00	20-10-2020	19-10-2023	Rama Krishna K Dept. of Mechanical Engineering	Dept. of Mechanical Engineering
136.	RP03944G	Efficient Food Grain Supply Chain for FCI and Uttarakhand	United Nations World Food Programme India	76.32	05-06-2020	31-12-2022	Nomesh Bhojkumar Bolia Dept. of Mechanical Engineering	Dept. of Mechanical Engineering
137.	RP03964F	Development of Improved Furnaces for Handtool Clusters in Jalandhar and Nagaur	United Nations Industrial Development Organization Austria	35.40	05-05-2020	04-05-2021	M R Ravi Dept. of Mechanical Engineering	Dept. of Mechanical Engineering
138.	RP04052G	CFD analysis of dispersion and risk assessment while using flammable refrigerants (Category A3) in split air-conditioners/heat pumps under Indian conditions	Ozone Cell, Ministry of Environment, Forest and Climate Change India	30.00	28-01-2021	27-12-2021	Krishna Kant Agrawal Dept. of Mechanical Engineering	Dept. of Mechanical Engineering
139.	RP03952N	Investigations on Drawability of High Strength Steel Sheets using Textured Dies	Tata Steel Ltd. India	30.00	20-02-2020	19-02-2023	Digavalli Ravi Kumar Dept. of Mechanical Engineering	Dept. of Mechanical Engineering
140.	RP04068G	A study on the thermo-mechanical behaviour of thin slab continuous casting of steel	Science and Engineering Research Board (SERB) India	27.01	02-03-2021	01-03-2024	Prabal Talukdar Dept. of Mechanical Engineering	Dept. of Mechanical Engineering

141.	RP04086G	Improved Smart Vending Cart for Fresh Fruits and Vegetables Science, Technology and Innovation Hub in IIT Delhi, New Delhi District, Delhi State.	Department of Science and Technology (DST) India	25.38	17-03-2021	16-03-2022	Subir Kumar Saha Dept. of Mechanical Engineering	Dept. of Mechanical Engineering
142.	MI02307G	Development of Novel Functionally Graded Materials using Hybrid Additive Manufacturing and their Characterization (SERB - NPDF project of Dr. Sandeep Rathee )	Science and Engineering Research Board (SERB) India	22.37	01-02-2021	31-01-2023	Pulak Mohan Pandey Dept. of Mechanical Engineering	Dept. of Mechanical Engineering
143.	RP04057N	Development of Autonomous Driving Technologies	Mahindra Susten Pvt. Ltd. India	17.50	16-02-2021	15-02-2023	Sunil Jha Dept. of Mechanical Engineering	Dept. of Mechanical Engineering
144.	RP03968F	Micron UV Robot Design Challenge (Fund for CSR activity related to COVID-19)	Micron Technology Foundation Inc. Austria	14.07	04-08-2020	03-08-2021	Sunil Jha Dept. of Mechanical Engineering	Dept. of Mechanical Engineering
145.	RP04074N	Research in the Area of Smart Manufacturing under CSR Grant	Smart Controls India Ltd. India	10.75	22-03-2021	21-03-2023	Sunil Jha Dept. of Mechanical Engineering	Dept. of Mechanical Engineering
146.	RP04019G	Textured surfaces with imbibed lubricants for drag reduction applications	Council of Scientific and Industrial Research India	1.97	22-12-2020	21-12-2022	Subhra Datta Dept. of Mechanical Engineering	Dept. of Mechanical Engineering

147.	MI02309G	Thermo-fluid-mechanical analysis of thin slab continuous casting (Direct Sr. Research Associate-ship project of Dr. Saurav Chakraborty )	Council of Scientific & Industrial Research (CSIR) India	0.40	01-02-2021	31-01-2022	Prabal Talukdar Dept. of Mechanical Engineering	Dept. of Mechanical Engineering
<b>Dept. of Physics</b>								
148.	RP03993G	RE(Pd/Pt)Bi Thin films : A Multifunctional Experimental Platform for exploring Topological Quantum phenomena & Magnetism	Department of Science & Technology India	115.39	29-10-2020	28-10-2023	Ratanamala Chatterjee Dept. of Physics	Dept. of Physics
149.	RP04014G	Topology and Magnetism in Novel Quantum Materials	Department of Science and Technology (DST-International Multilateral Regional Cooperation Division) India	55.98	15-12-2020	14-12-2023	Ratanamala Chatterjee Dept. of Physics	Dept. of Physics
150.	RP04024G	Investigation of the phosphate and sulfate based polyanionic compounds as cathode materials for Na-ion batteries	Science and Engineering Research Board (SERB) India	48.62	28-12-2020	27-12-2023	Rajendra Singh Dhaka Dept. of Physics	Dept. of Physics



151.	RP04000G	Wide Bandgap Semiconductor (Al)GaO/Nitrides Heterostructures for High Power Electronic and Optoelectronic Devices (under BRICS)	Department of Science and Technology (DST-International Multilateral Regional Cooperation Division) India	45.26	18-09-2020	17-09-2023	Rajendra Singh Dept. of Physics	Dept. of Physics
152.	RP04032G	Terahertz spectroscopic probing of quasiparticles across quantum wells of two dimensional van der Waals material heterojunctions	Science and Engineering Research Board (SERB) India	44.66	28-12-2020	27-12-2023	Sunil Kumar Dept. of Physics	Dept. of Physics
153.	RP04067G	Agri Monitored Reengineering and Transformation (AMRT) Dashboard Chhuikhadan Block	The International Crops Research Institute for the Semi-Arid Tropics India	38.21	01-12-2020	30-06-2021	Vishal Kumar Vaibhav Dept. of Physics	Dept. of Physics
154.	RP04059G	Development of photoelectrochemical catalysts for efficient CO2 reduction based on novel combinations of 2D materials and 3D nanoscaffold hierarchical structures	Department of Science & Technology (International Bilateral Cooperation Division) India	33.70	08-02-2021	07-02-2024	Jitendra Pratap Singh Dept. of Physics	Dept. of Physics
155.	RP03984G	Immiscible liquid on liquid impact and entry dynamics (Start-up Research Grant ? Transfer from IISER, Bhopal)	Science and Engineering Research Board (SERB) India	27.62	16-09-2020	02-12-2021	Deepak Kumar Dept. of Physics	Dept. of Physics

156.	RP03943G	Engineering Magnetic order and Exchange Coupling in Topological Insulator Hetero-structures: A combined MBE and Spin-polarized STM Study	Science and Engineering Research Board (SERB) India	17.19	04-01-2020	03-01-2022	Sujit Manna Dept. of Physics	Dept. of Physics
157.	RP04034G	Studying Quantum Statistics of the Rectification Factor	Science and Engineering Research Board (SERB) India	15.51	28-12-2020	27-12-2023	Rahul Suresh Marathe Dept. of Physics	Dept. of Physics
158.	RP03995F	SiC surface treatment and passivation using organic monolayers for high power device applications	SiCamore Semi United States	14.40	16-11-2020	15-11-2021	Rajendra Singh Dept. of Physics	Dept. of Physics
159.	RP03938G	Implementation of Optical readout for thermo-mechanical detector	Solid State Physics Lalboratory, DRDO, Min. of Defence India	9.65	12-03-2020	11-09-2021	P Senthilkumaran Dept. of Physics	Dept. of Physics
160.	RP03953G	High depth of focus computational imaging system	Instruments Research & Development Establishment India	9.47	19-09-2020	18-03-2022	Kedar Bhalchandra Khare Dept. of Physics	Dept. of Physics
161.	RP04033G	Analytical formalism for the Brownian Heat Engines with Active particles	Science and Engineering Research Board (SERB) India	6.60	11-01-2021	10-01-2024	Rahul Suresh Marathe Dept. of Physics	Dept. of Physics
162.	MI02330G	to conduct the nurturance program for NTSE scholars of NCERT	NCERT India	1.11	18-03-2021	17-03-2022	Rajendra Singh Dhaka Dept. of Physics	Dept. of Physics

163.	RP04072G	Science and Technology for the New Age - Acquisition, Analysis and Adaptation	Shastri Indo-Canadian Institute India	1.10	09-02-2021	08-10-2021	Amartya Sengupta Dept. of Physics	Dept. of Physics
164.	MI02184G	Electronic and magnetic properties of complex oxides (bulk and thin films)	UGC -DAE Consortium, University Campus India	0.45	01-04-2020	31-03-2021	Rajendra Singh Dhaka Dept. of Physics	Dept. of Physics
<b>Dept. of Textile &amp; Fibre Engineering</b>								
165.	RP04055G	Fast-curable immune-informed bioinks for tissue-mimetic 3D bioprinting	Department of Science and Technology (DST-International Multilateral Regional Cooperation Division) India	49.21	08-02-2021	07-02-2024	Sourabh Ghosh Dept. of Textile & Fibre Engineering	Dept. of Textile & Fibre Engineering
166.	RP04078G	Development of dispersion coating and preforming device for biomedical composites	Department of Science and Technology (DST) India	47.40	24-03-2021	23-03-2023	R Alagirusamy Dept. of Textile & Fibre Engineering	Dept. of Textile & Fibre Engineering
167.	RP04091G	Design and development of a multi-purpose test instrument for analyzing performance of thermal protective clothing and determining second-degree burn time for skin at different orientations	Department of Science and Technology (DST) India	45.67	24-03-2021	23-03-2024	Apurba Das Dept. of Textile & Fibre Engineering	Dept. of Textile & Fibre Engineering

168.	RP03992G	Development of nanocomposite fibres based filter cartridge for the efficient removal of bacterial load and heavy metals from water (Umbrella Scheme under Innovation, Technology Development & Deployment)	Department of Science & Technology India	41.87	23-09-2020	22-09-2022	Md S Wazed Ali Dept. of Textile & Fibre Engineering	Dept. of Textile & Fibre Engineering
169.	RP04087G	Intricate functional scaffolds produced via solvent free, single step process Collaborating Institute : KTH Sweden	Department of Science and Technology (DST), India & Swedish Research Council, Sweden	40.46	19-02-2021	18-02-2024	Rajiv K Srivastava Dept. of Textile & Fibre Engineering	Dept. of Textile & Fibre Engineering
170.	RP04090G	Flexible Triboelectric Nanogenerator using Textile Structural Engineering for Energy Harvesting	Science and Engineering Research Board (SERB) India	32.27	27-10-2020	26-10-2022	Bipin Kumar Dept. of Textile & Fibre Engineering	Dept. of Textile & Fibre Engineering
171.	RP03930N	Development of PPEs using Knitting Technology (Corporate Social Responsibility)	PNB Housing Finance Limited India	26.71	07-05-2020	26-10-2020	Bipin Kumar Dept. of Textile & Fibre Engineering	Dept. of Textile & Fibre Engineering
172.	RP03976G	Development of Formulations for Viral Decontamination of inanimate surfaces	Science and Engineering Research Board (SERB) India	20.63	17-07-2020	16-07-2021	Bhupendra Singh Butola Dept. of Textile & Fibre Engineering	Dept. of Textile & Fibre Engineering

173.	RP03935G	N9 blue nanosilver and its nanocomposites as antiviral nanocoatings for protection against COVID-19 virus	Department of Science & Technology` India	20.00	21-05-2020	20-05-2021	Ashwini K Agrawal Dept. of Textile & Fibre Engineering	Dept. of Textile & Fibre Engineering
174.	MI02247N	Corporate Social Responsibility Funds - CSR	RESIL Chemical Pvt. Ltd., Unit No. 30, BCIE, Vijin India	18.28	21-09-2020	20-09-2022	Ashwini K Agrawal Dept. of Textile & Fibre Engineering	Dept. of Textile & Fibre Engineering
175.	MI02324G	To Organizing the Virtual meeting Expert Advisory Group (EAG) on Device Development Programme under TDT Division on December 14-17 , 2020	Department of Science & Technology India	6.40	07-01-2021	31-03-2021	R Alagirusamy Dept. of Textile & Fibre Engineering	Dept. of Textile & Fibre Engineering
176.	MI02325G	Financial Support to Organize the Virtual Meeting of Experts Advisory Group Meeting (EAG) on Device Development Programme under TDT Division	Department of Science & Technology India	5.50	05-01-2021	31-03-2021	R Alagirusamy Dept. of Textile & Fibre Engineering	Dept. of Textile & Fibre Engineering
177.	MI02253G	DST PAC Meeting for Evaluation of the Proposals Received against the WTI Call-2019	Department of Science & Technology India	3.57	04-04-2020	03-10-2020	Md S Wazed Ali Dept. of Textile & Fibre Engineering	Dept. of Textile & Fibre Engineering

178.	MI02267G	DST Expert Advisory Committee Meeting	Department of Science & Technology` India	3.21	06-11-2020	31-03-2021	R Alagirusamy Dept. of Textile & Fibre Engineering	Dept. of Textile & Fibre Engineering
<b>Centre for Applied Research in Electronics (CARE)</b>								
179.	RP04077G	Advanced Single Photon Detector and Establishment of Single Photon Detection Based Quantum Standard for QUEST	Department of Science and Technology (DST) India	70.45	30-03-2019	29-03-2022	Samaresh Das Centre for Applied Research in Electronics (CARE)	Centre for Applied Research in Electronics (CARE)
180.	RP03945G	Development of Quantum Computing Architecture with Silicon-based Spin Qubits	Directorate of Extramural Research & Intellectual India	31.12	17-03-2020	16-03-2025	Samaresh Das Centre for Applied Research in Electronics (CARE)	Centre for Applied Research in Electronics (CARE)
181.	RP03939G	Acoustic emission (AE) waveform interpretation and development of snowpack failure prediction algorithm and application utility	Snow and Avalanche Study Establishment (SASE) India	27.00	19-05-2020	18-09-2021	Monika Aggarwal Centre for Applied Research in Electronics (CARE)	Centre for Applied Research in Electronics (CARE)

Centre for Atmospheric Sciences								
182.	RP04002G	Improving Crop Dynamics and Land-atmosphere Interaction in the Community Land Model for Major Indian agro-ecosystems	Space Application Centre, ISRO India	108.00	03-03-2020	02-03-2023	Somnath Baidya Roy Centre for Atmospheric Sciences	Centre for Atmospheric Sciences
183.	RP03987F	Establishment and application of an AQM model for the Indo-Gangetic Okain (IGP-AQMmod)	The World Bank	100.88	30-09-2020	29-06-2021	Sagnik Dey Centre for Atmospheric Sciences	Centre for Atmospheric Sciences
184.	MI02306G	Delhi cluster-Delhi research implementation and innovation (DRIIV): Theme - Air Pollution (Sub Project under DRIIV Main Project MI02263)	Office of the Principal Scientific Advisor India	92.78	07-12-2020	06-12-2023	Sagnik Dey Centre for Atmospheric Sciences	Centre for Atmospheric Sciences
185.	RP03997G	Estimation and analysis of offshore wind generated wave energy potential along Indian coastline (Women Scientist project of Dr. Satyavathi Pentapati )	Department of Science & Technology` India	37.35	10-11-2020	09-11-2023	A D Rao Centre for Atmospheric Sciences	Centre for Atmospheric Sciences

186.	RP04005G	Extension of spectral scale energetics to study nonlinear scale interactions in nonhydrostatic regime	Science and Engineering Research Board (SERB) India	14.39	03-12-2020	02-12-2022	Sarvesh Kumar Dubey Centre for Atmospheric Sciences	Centre for Atmospheric Sciences
187.	RP03957F	Feasibility study for improving performance of WRF urban canopy model and preparing inputs for human health impact assessment	University of Tokyo Japan	12.50	01-03-2020	31-05-2021	Manju Mohan Centre for Atmospheric Sciences	Centre for Atmospheric Sciences
<b>Centre for Automotive Research and Tribology (CART)</b>								
188.	RP03946G	Sustainable Processing of Agro-residual Waste to Produce Acoustic Materials and Biorenewable Chemicals using Green Solvents	Department of Science & Technology India	75.87	18-05-2020	17-05-2022	Shahab Fatima Industrial Tribology, Machine Dynamics & Maintenance Engg.	Centre for Automotive Research and Tribology (CART)
189.	RP03925G	Synthesis and exploration of Polybenzoxazines (PBZs) resins as an alternative to traditional phenolic resin in friction materials A possible breakthrough	Science and Engineering Research Board (SERB) India	44.32	09-03-2020	08-03-2022	Jayashree Bijwe Industrial Tribology, Machine Dynamics & Maintenance Engg.	Centre for Automotive Research and Tribology (CART)



<b>Centre for Biomedical Engineering</b>								
190.	MI02256G	Stanford India Biodesign (SIB) Programme Phase IV (Sub project under RP01998)	Department of Biotechnology, Ministry of Science & Technology India	52.64	27-12-2017	30-06-2021	Harpal Singh Centre for Biomedical Engineering	Centre for Biomedical Engineering
191.	RP04010G	Development of a Portable Footwear Slip Risk Measurement Device	Science and Engineering Research Board (SERB) India	33.00	12-11-2020	11-11-2022	Arnab Chanda Centre for Biomedical Engineering	Centre for Biomedical Engineering
192.	RP03972N	Scalable manufacturing of Low-Cost Face Shields as effective intervention against COVID-19 Transmission	Clifford Chance India	10.00	21-07-2020	20-07-2021	Arnab Chanda Centre for Biomedical Engineering	Centre for Biomedical Engineering
<b>Centre for Energy Studies (CES)</b>								
193.	RP04085G	Strengthening Energy and Environmental Research and Teaching Infrastructure through the FIST Programme	Department of Science & Technology India	184.00	10-03-2021	09-03-2026	K A Subramanian Centre for Energy Studies (CES)	Centre for Energy Studies (CES)
194.	RP04063G	Different Energy Vector Integration for Storage of Energy (DEVISE)	Department of Science & Technology India	51.77	28-12-2020	27-12-2023	Dibakar Rakshit Centre for Energy Studies (CES)	Centre for Energy Studies (CES)

195.	RP03996G	Laser Driven Particle Acceleration (Women Scientist project of Dr. Monika Singh)	Department of Science & Technology` India	30.31	13-10-2020	12-10-2023	Mrs R Uma Centre for Energy Studies (CES)	Centre for Energy Studies (CES)
<b>Centre for Rural Development Technology (CRDT)</b>								
196.	RP04104	Scientific Management of Natural Resources for Sustainable Development in UBA Clusters of Shivalik Region	Department of Science and Technology (DST)	295.29	01-04-2021	31-03-2022	Vivek Kumar Centre for Rural Development Technology (CRDT)	Centre for Rural Development Technology (CRDT)
197.	RP03956G	Design and Development of an efficient biomass cookstove for simultaneous production of clean fuel and its utilization in cookstove	Department of Science & Technology India	76.78	15-07-2020	14-07-2022	Priyanka Kaushal Centre for Rural Development Technology (CRDT)	Centre for Rural Development Technology (CRDT)
198.	RP04075G	Hydrogenotrophic Anaerobic Biotechnological System for Enrichment of Biogas (HABSEB) Technology for Power and Vehicular Fuel Applications (Indo-Hungarian Joint Project)	Department of Science & Technology (International Bilateral Cooperation Division) India	42.42	25-02-2021	24-02-2024	Ram Chandra Centre for Rural Development Technology (CRDT)	Centre for Rural Development Technology (CRDT)

199.	MI02237G	Non-aqueous and aqueous sol-gel synthesis, characterization and applications of nano-sized ceramic materials in different technology (UGC PDFship project of Dr. Anita Raj Sanwaria)	University Grants Commission India	18.83	05-03-2020	04-08-2022	Satyawati Sharma Centre for Rural Development Technology (CRDT)	Centre for Rural Development Technology (CRDT)
200.	MI02220G	Impact of Lockdown due to COVID-19 Pandemic on Water Bodies in Ganga River Basin (Sub Project under MI01816)	Centre For Ganga River Basin Management and Studies India	4.56	01-05-2020	31-08-2020	Vivek Kumar Centre for Rural Development Technology (CRDT)	Centre for Rural Development Technology (CRDT)
201.	MI02258G	Bioassay guided isolation and structural characterization of novel beta-lactamase inhibitors from medicinal plants: Anhigh-throughput screening approaches (CSIR Direct RA-ship project of Dr. Vasantharaja R.)	Council of Scientific & Industrial Research (CSIR) India	2.43	12-11-2020	31-03-2021	Hariprasad P Centre for Rural Development Technology (CRDT)	Centre for Rural Development Technology (CRDT)

<b>Centre for Sensors, Instrumentation and Cyber Physical Systems Engineering</b>								
202.	MI02329G	Development of compound processing approach for the fabrication of Diffractive Optics (CSIR Direct SRAsip to Dr. Rohit Sharma)	Council of Scientific & Industrial Research (CSIR) India	35.56	08-02-2021	07-02-2024	Gufran Sayeed Khan Centre for Sensors, Instrumentation and Cyber Physical Systems Engineering	Centre for Sensors, Instrumentation and Cyber Physical Systems Engineering
<b>School of Biological Sciences</b>								
203.	RP04062GC	Establishment of a Centre of Excellence in the area of Bioinformatics and Computational Biology at IIT Delhi, with the theme as Development of Genome to Hit (Dhanvantari) pipeline: Genome => Gene=> Protein=> Drug	Department of Biotechnology, Ministry of Science & Technology India	214.19	16-12-2020	15-12-2025	Aditya Mittal School of Biological Sciences	School of Biological Sciences
204.	RP04026G	Isoform Specific Functions of Akt Kinase in Neuronal Insulin-Signaling and Insulin-Resistant Diabetes	Department of Biotechnology, Ministry of Science & Technology India	76.50	18-01-2021	17-01-2024	Chinmoy Sankar Dey School of Biological Sciences	School of Biological Sciences

205.	RP03948N	Dual Assay for Simultaneous Diagnosis of COVID-19 and Influenza A Virus	Microsoft Corporation India Pvt. Ltd. India	51.00	29-05-2020	08-11-2021	Vivekanandan Perumal School of Biological Sciences	School of Biological Sciences
206.	RP03963G	Development and evaluation of aptamer based lateral flow assay kit for detection of SARS-CoV2 detection	Department of Biotechnology, Ministry of Science & Technology India	47.85	06-07-2020	04-04-2021	Ashok Kumar Patel School of Biological Sciences	School of Biological Sciences
207.	RP04064G	In Vitro Exercise Model of Hippocampal Cells Mediated By ATP	Science and Engineering Research Board (SERB) India	42.90	18-02-2021	17-02-2024	Chinmoy Sankar Dey School of Biological Sciences	School of Biological Sciences
208.	RP04058G	Understanding the molecular mechanisms of SB202190-induced defective autophagy	Indian Council of Medical Research India	36.40	01-02-2021	31-01-2024	Manoj Balakrishna Menon School of Biological Sciences	School of Biological Sciences
209.	RP04070G	Deciphering the role of HMGB1 in chromatin dynamics	Science and Engineering Research Board (SERB) India	33.11	08-03-2021	07-03-2024	Ashok Kumar Patel School of Biological Sciences	School of Biological Sciences
210.	RP03988G	Developing a real-time PCR coupled with a rapid in-house RNA extraction for the diagnosis of COVID-19	Department of Biotechnology, Ministry of Science & Technology India	31.57	08-09-2020	07-06-2021	Vivekanandan Perumal School of Biological Sciences	School of Biological Sciences

211.	RP04009G	Cell-type specific mechanisms of cytokinesis and targeting septins against cancer	Science and Engineering Research Board (SERB) India	23.21	07-12-2020	06-12-2022	Manoj Balakrishna Menon School of Biological Sciences	School of Biological Sciences
212.	MI02323G	Development of a therapeutic cocktail for Gram-negative biofilm infections using engineered enzymatic quorum quenchers in combination with lytic phages (Direct SRFship project of Dr. Shivam Mishra )	Indian Council of Medical Research India	16.22	05-02-2021	04-02-2024	Tapan Kumar Chaudhuri School of Biological Sciences	School of Biological Sciences
213.	RP03994F	Protecting Public Health with Novel Microbial Indicators to Monitor the Performance of Water Reuse Systems in India	University of Nebraska United States	13.80	31-10-2020	30-10-2021	Vivekanandan Perumal School of Biological Sciences	School of Biological Sciences
214.	MI02284G	Characterization of receptor recycling pathway in Leishmania donovani (SRFship project pf Dr. Irshad Ansari )	Indian Council of Medical Research India	10.82	01-01-2021	31-12-2022	Amitabha Mukhopadhyay School of Biological Sciences	School of Biological Sciences

215.	MI02333G	Determination of functional implication of the presence of multiple paralogues of vesicular fusion component Alpha-SNAP in Leishmania pathogenicity and survival Project ( RAship project of Dr. Shankari Prasad Datta )	Council of Scientific & Industrial Research (CSIR) India	7.19	04-05-2021	03-05-2022	Chinmoy Sankar Dey School of Biological Sciences	School of Biological Sciences
216.	MI02332G	To study the role of HBV-encoded microRNA (vmiR#2) in hepatocellular carcinoma (RAship project of Dr. Shruti Chowdhari)	Indian Council of Medical Research India	7.19	11-03-2021	10-03-2022	Vivekanandan Perumal School of Biological Sciences	School of Biological Sciences
217.	MI02298G	Sensitization of cancer cells to Ferroptosis by Statin encapsulated metal-organic frameworks (RAship project of Dr. Varun Arora)	Indian Council of Medical Research India	7.19	03-02-2021	02-02-2022	Manoj Balakrishna Menon School of Biological Sciences	School of Biological Sciences
<b>Office of The Director</b>								
218.	MI02263G	Delhi Cluster: Delhi Research Implementation and Innovation (DRIIV)	Office of the Principal Scientific Adviser, Gol India	993.65	07-12-2020	06-12-2023	V Ramgopal Rao Office of the Director	Office of the Director

219.	MI02255G	Expert Advisory Group (EAG) on Virtual Platform (i) for screening of New Proposals	Department of Science & Technology` India	6.56	19-11-2020	18-12-2020	V Ramgopal Rao Office of the Director	Office of the Director
220.	MI02249G	2nd meeting of Expert Advisory Group (EAG) for Niomedical Device and Technology Development (BDTD) Program	Department of Science & Technology` India	2.05	22-10-2020	30-11-2020	V Ramgopal Rao Office of the Director	Office of the Director

Note:

- Project are counted under the primary Department/Centre/School of PI of the project.
- Excluded 14 projects which were already included in the data of FY2019-20.
- Included subprojects funded from main project