

FY: 2023-24

Department of Applied Geology

Sl. No.	Project No.	Title of The Project	Full Name of Funding Agency	Sanctioned Amount including Manpower (in Lakh)	Start Date of Project (in dd-mm-yyyy)	End Date of Project (in dd-mm-yyyy)	Name of PI
1	DST(SERB)(395)/2023-2024/1034/AGL	Characterization of sulphide minerals in Indian basemetal and gold deposits for assessment of strategic element recovery opportunity	SERB, New Delhi	56.76	07.08.2023	06.08.2026	Prof. Prabodh Ranjan Sahoo
2	DST(SERB)(398)/2023-2024/1048/AGL	Cretaceous climate evolution in middle latitude Tethys, a study from green-silicates of Mahadek Formation, South Shillong Shelf	SERB, New Delhi	29.26	17.10.2023	16.10.2025	Prof. Udit Bansal
3	DST(SERB)(409)/2023-2024/1074/AGL	Application of spectroscopic methods and machine learning algorithms for a rapid and reliable estimate of the gross calorific value (GCV) in high-ash Indian coal	SERB, New Delhi	6.6	12.02.2024	11.02.2027	Prof. Anup Krishna Prasad
4	SERB(CRG)(417)/2023-2024/1086/AGL	Foraminiferal, geochemical and sedimentological investigations on Holocene sediments of the Bay of Bengal: Unveiling climatic variations, oxygen-deficient environments and seepage effects	SERB, New Delhi	47.3	08.03.2024	07.03.2027	Prof. Ajoy Kumar Bhaumik
5	SERB(CRG)(419)/2023-2024/1088/AGL	Geochemical and mineralogical approach for the classification of pegmatites and related rocks in Koderma, Jharkhand and Mandya, Karnataka to evaluate the economic potentiality for Li-Cs-Rb, Nb-Ta and REE	SERB, New Delhi	21.01	11.03.2024	10.03.2027	Prof. Anand Rajagopal
6	SERB(427)/2023-2024/1096/AGL (NPDF)	Geochemical and paleomagnetic study of dolerite dykes in Meghalaya Plateau, Northeast India: Implications on mantle processes and geodynamic evolution	SERB, New Delhi	25.2	13.03.2024	12.03.2026	Prof. Anand Rajagopal

Department of Applied Geophysics

Sl. No.	Project No.	Title of The Project	Full Name of Funding Agency	Sanctioned Amount including Manpower (in Lakh)	Start Date of Project (in dd-mm-yyyy)	End Date of Project (in dd-mm-yyyy)	Name of PI
7	EUGEPL/2023-2024/1025/AGP	Development of customized processing sequences of exploration seismic data in the Damodar River valley basin to detect coal seams-based reservoir towards extended CBM exploration through the build-up of high-resolution image	Essar Oil and Gas Exploration and Production Ltd., Durgapur	5.91	06.07.2023	05.07.2024	Prof. Saurabh Datta Gupta
8	TEXMiN/2023-2024/1062/AGP	Data-driven Mineral Prospectivity Mapping in Jharkhand and its Surroundings	Technology Innovation Hub (TIH) under DST	11.97	17.01.2024	16.07.2025	Prof. Partha Pratim Mandal
9	SERB(CRG)(422)/2023-2024/1091/AGP	Long-Term Stress Field Perturbation and Stress Modeling Along the Myanmar-Andaman-Sumatra Subduction Margin	SERB, New Delhi	27	11.03.2024	10.03.2027	Prof. Prosanta Kumar Khan

Department of Chemical Engineering

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10	DST(SERB)(390)/2023-2024/1019/CHEMICAL	Development of scaled-up, pump-less, free-convection-driven, soluble lead redox flow battery	SERB, New Delhi	18.42	10.02.2021	09.02.2024	Prof. Mahendra Naktuji Nandanwar
11	SCHNEIDER/2023-2024/1022/CHEMICAL	Formulation and determine viscosity of water based paint with different concentration and different batch volumes	Schneider Electric Systems India Private Limited, Hyderabad	4.02	16.05.2023	15.07.2023	Prof. Suresh Kr. Yatirajula

12	DBT/2023-2024/1052/CHEMICAL	Integrated Fermentation and Chemical Catalysis for Jet Range Biorenewable Fuels and Blends	Department of Biotechnology, Government of India, New Delhi	10	19.09.2023	18.09.2026	Prof. Ejaz Ahmad
13	DST(SERB)(400)/2023-2024/1054/CHEMICAL	Investigation of Modal and Non-Modal Instability in Fluid-Porous Double-Layer Configuration	SERB, New Delhi	26.85	21.12.2023	20.12.2025	Prof. Sourav Sengupta
14	NJB/2023-2024/1084/CHEMICAL	Industrial scale up of biodegradable, non-polymer super-hydrophobic jute fabric exhibiting excellent water repellency & stiffness for shopping/hand bag products	National Jute Board, Ministry of Textiles, Kolkata	67.66	30.03.2024	29.03.2026	Prof. Aditya Kumar
Department of Chemistry & Chemical Biology							
Sl. No.	Project No.	Title of The Project	Full Name of Funding Agency	Sanctioned Amount including Manpower (in Lakh)	Start Date of Project (in dd-mm-yyyy)	End Date of Project (in dd-mm-yyyy)	Name of PI
15	IIT(ISM)/2023-2024/1001/INSTITUTE	Feasibility of bulk scale production of S/N-doped porous carbon and graphitic-C ₃ N ₄ based metal chalcogenides Anodes for sodium-ion battery	IIT(ISM), Dhanbad	6.00	12.04.2023	11.01.2025	Prof. Ganesh Chandra Nayak
16	DST(SERB)(386)/2023-2024/1005/CCB	Polysaccharide based copolymeric hydrogels for biomedical applications	SERB, New Delhi	26.22	09.05.2023	08.05.2026	Prof. Sagar Pal
17	CSIR(37)/2023-2024/1028/CCB	Organogermanium Supported Polynuclear Metal Complexes as Cooperatives Catalysts for Organic Reaction	CSIR, NewDelhi	9.00	15.07.2023	14.07.2026	Prof. Hari Pada Nayek
18	DST(TDT)(393)/2023-2024/1030/CCB	Creation of nodal centers for the production of imported APIs, KSMs and Intermediates to achieve self-sufficiency in health-care sector	DST (TDT), New Delhi	24.88	24.07.2023	23.07.2024	Prof. Parthasarathi Das
19	MoE(STARS)/2023-2024/1041/CCB	Development of Upconversion Nanoparticles Conjugated Carbon Dots as Amplified Singlet Oxygen Generator for Synergistic Photodynamic Therapy	Ministry of Education, New Delhi	32.05	26.09.2023	25.09.2026	Prof. Sumanta Kumar Sahu
20	DST(SERB)(405)/2023-2024/1064/CCB	Assessing the feasibility of using locked GFP chromophore derivatives in protein sensing, protein imaging as well as fluorogenic RNA-aptamer based imaging to design improved fluorophores	SERB, New Delhi	29.81	20.01.2024	19.01.2027	Prof. Soumit Chatterjee
21	TATA STEEL/2023-2024/1065/CCB	Effective utilization and life enhancement of tailing pond at West Bokaro	Tata Steel Limited, Jamshedpur	27.26	29.01.2024	28.04.2025	Prof. Sagar Pal
22	DST(SERB)(408)/2023-2024/1073/CCB	Synthesis of C-Aryl/Heteroaryl Glycosides via Photoredox-Catalyzed Homolysis of Glycosyl C-O Bonds: Application to the Synthesis of Neoptosine Alkaloids A-D	SERB, New Delhi	52.59	15.02.2024	14.02.2027	Prof. Somnath Yadav
23	SERB(CRG)(416)/2023-2024/1085/CCB	Development of "Chloroform COware Chemistry" as Toolbox for Safe Carbonylative Transformations	SERB, New Delhi	45.91	04.03.2024	03.03.2027	Prof. Parthasarathi Das
24	SERB(SRG)(421)/2023-2024/1090/CCB	Live cell imaging of RNA aggregation in nucleotide repeat expansion disorders	SERB, New Delhi	29.54	11.03.2024	10.03.2026	Prof. Sourav Kumar Dey
Department of Civil Engineering							
Sl. No.	Project No.	Title of The Project	Full Name of Funding Agency	Sanctioned Amount including Manpower (in Lakh)	Start Date of Project (in dd-mm-yyyy)	End Date of Project (in dd-mm-yyyy)	Name of PI
25	ROTRANS/2023-2024/1004/CE	Performance assessment of structural design for the construction Major Bridge & ROBs in accordance with National Standards	Rotrans Infra Projects Private Limited, Bhubaneswar	8.26	09.05.2023	08.05.2024	Prof. Smruti Sourava Mohapatra
26	HCL/2023-2024/1006/CE	Hydrology Study in Chandmari Mine Lease of Hindustan Copper Ltd. Khetri Nagar, Rajasthan	Hindustan Copper Limited, Rajasthan	14.08	10.05.2023	09.11.2023	Prof. Srinivas Pasupuleti

27	MoES(18)/2023-2024/1013/CE	Concept of temporal networks in hydroclimatic modelling in a changing climate: Application to streamflow and drought	MOES (Ministry of Earth Sciences), New Delhi	15.89	29.05.2023	28.05.2026	Prof. Kironmala Chandra
28	ESL/2023-2024/1023/CE	Utilization of Cement Slurry Waste	ESL Steel Limited, Bokaro	3.01	05.07.2023	04.10.2023	Prof. Sarat Kumar Das
29	DRDO(AR&DB)(23)/2023-2024/1036/CE	Design of multi-stable variable stiffness composite shells for morphing applications	DRDO (AR&DB), Delhi	28.35	30.8.2023	29.08.2026	Prof. Tanish Dey
30	TEXMiN/2023-2024/1042/CE	Development of Suitable Methodology for Utilization of Coal Mine Overburden in Road Construction	Technology Innovation in Exploration & Mining Foundation, DST, New Delhi	14.96	21.09.2023	20.09.2025	Prof. Smruti Sourava Mohapatra
31	DRDO(ARMREB)(25)/2023-2024/1059/CE	Blast fragment impact mitigation of structures using light weight Steel cementitious composite steel (SCCS) and Functionally graded cementitious composite (FGCC) systems	DRDO (ARMREB), Delhi	43.55	16.01.2024	15.01.2027	Prof. Satadru Das Adhikary
32	SERB(CRG)(413)/2023-2024/1080/CE	Site-Specific Challenges of Larger Offshore Wind Turbines along Indian Coast and Possible Geotechnical Solutions	SERB, New Delhi	43.12	28.02.2024	27.02.2027	Prof. Rajib Sarkar
33	SERB(CRG)(414)/2023-2024/1081/CE	Improved Lightweight Design of Variable Stiffness Composite Aircraft Panels Enabled by Tow-Steering and Machine Learning	SERB, New Delhi	43.23	28.02.2024	27.02.2027	Prof. Tanish Dey
Department of Computer Science & Engineering							
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34	DST(SERB)(401)/2023-2024/1055/CSE	Bayesian Optimization-based Neural-Symbolic Artificial Intelligence (BONSAI) for Explainable Learning from Urban Data	SERB, New Delhi	24.45	19.12.2023	18.12.2025	Prof. Monidipa Das
35	DST(SERB)(404)/2023-2024/1063/CSE	A cross-lingual study of neuron-level explainability of deep natural language processing models and its application in framework building for cross-lingual natural language processing systems	SERB, New Delhi	30.06	19.01.2024	18.01.2026	Prof. Ayan Das
Department of Electronics Engineering							
Sl. No.	Project No.	Title of The Project	Full Name of Funding Agency	Sanctioned Amount including Manpower (in Lakh)	Start Date of Project (in dd-mm-yyyy)	End Date of Project (in dd-mm-yyyy)	Name of PI
36	MeitY/2023-2024/1012/ECE	Ultra-Low Power Neuromorphic Spiking Architecture for Assistive Smart Glass	MeitY, New Delhi	86	22.05.2023	21.05.2028	Prof. Rajeev Kumar Ranjan
37	ADI/2023-2024/1016/ECE (FELLOWSHIP)	Emulation Friendly Modeling of RF Power Amplifiers for Pre-Silicon Verification	Analog Devices India Pvt. Ltd., Bangalore	4.72	24.05.2023	30.06.2024	Prof. Rahul Bhattacharya
38	DST(INSPIRE)(396)/2023-2024/1044/ECE	ChalPV: Chalcogenide-Perovskite (BaZrS3) based Photovoltaic Devices	DST, New Delhi	35	17.08.2023	16.08.2028	Dr. Jitendra Kumar (INSPIRE Faculty)
39	CSIR(40)/2023-2024/1045/ECE	Memristor Based Multilayer Neural Networks (MNN) And Its Application in Neuromorphic System	CSIR, New Delhi	20.4	25.09.2023	24.09.2026	Prof. Rajeev Kumar Ranjan
40	DRDO(CARS)(26)/2023-2024/1060/ECE	Critical Analysis, Design, EM Modeling & Optimization of millimeter wave planar antenna	DRDO (CARS), Jodhpur	14.53	06.01.2024	06.07.2025	Prof. Ravi Kumar Gangwar
41	DST(TDT)(412)/2023-2024/1078/ECE	Development of ceramic dielectric material potentially viable for microwave devices	DST, New Delhi	50.82	14.02.2024	13.02.2025	Prof. Ravi Kumar Gangwar
42	MeitY(VISVESVARAYA)/2023-2024/32/INSTITUTE	Visvesvaraya PhD Scheme for Electronics and IT: Phase II at Indian Institute of Technology-ISM, Dhanbad	Ministry of Electronics and Information Technology, New Delhi	181.54	18.08.2023	17.08.2028	Prof. Ravi Kumar Gangwar

43	MeitY(VISVESVARAYA)/2023-2024/56/INSTITUTE	Visvesvaraya PhD Scheme for Electronics and IT: Phase II at Indian Institute of Technology-ISM, Dhanbad	Ministry of Electronics and Information Technology, New Delhi	254.16	06.03.2024	05.03.2029	Prof. Ravi Kumar Gangwar
44	MeitY(VISVESVARAYA)/2023-2024/61/INSTITUTE	Visvesvaraya PhD Scheme for Electronics and IT: Phase II at Indian Institute of Technology-ISM, Dhanbad	Ministry of Electronics and Information Technology, New Delhi	12	11.03.2024	10.03.2029	Prof. Ravi Kumar Gangwar
Department of Electrical Engineering							
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45	JREDA/2023-2024/1046/EE	Deployment of Smart Portable Off-Grid Hybrid Combined Heat & Power Unit Based on Hybrid Energy (Solar and Biomass) for Micro Farming and Small Food Processing Industries Located in Rural Areas of Jharkhand	Jharkhand Renewable Energy Development Agency, Ranchi	48.55	22.09.2023	21.03.2026	Prof. Nitai Pal
46	DST(SERB)(399)/2023-2024/1053/EE	Design and Analysis of Axial Flux Machine Technology for Electric Vehicle Motor Drives	SERB, New Delhi	30.83	19.12.2023	18.12.2025	Prof. Srinivas Lakshmi Vedantham
47	DST(SERB)(402)/2023-2024/1056/EE	Investigations of Interoperability of Grid-forming Assets in Hybrid Power System	SERB, New Delhi	31.31	19.12.2023	18.12.2025	Prof. Dushyant Sharma
48	DST(INSPIRE)(403)/2023-2024/1057/EE	Inferring Cancer Networks using Computational Biology	DST, New Delhi	35	10.01.2024	09.01.2029	Dr. Haswanth Vundavilli (INSPIRE Faculty)
Department of Environmental Science & Engineering							
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49	ICEPL/2023-2024/1027/ESE	Upgrading biogas plants using bio-electrochemical systems for transforming agro-waste to clean energy	Indore Clean Energy Private Limited, Indore	10.12	30.06.2023	29.06.2024	Prof. Vipin Kumar
50	HCL/2023-2024/1037/ESE	Studies on Tellurium, Selenium and Indium concentration in copper beneficiation plants for estimating recovery potential	Hindustan Copper Limited, Kolkata	5.9	04.09.2023	03.09.2024	Prof. Vipin Kumar
51	DST(SERB)(397)/2023-2024/1047/ESE	Understanding the role of chemical composition, size, and sources on the particulate matter toxicity	SERB, New Delhi	24.64	17.10.2023	16.10.2025	Prof. Saifi Izhar
52	ECL/2023-2024/1066/ESE	Monitoring of Air Quality in Non-monsoon period at identified locations in Cluster 1 & Cluster 2 group of mines under Mugma Areas, ECL, both Ambient and the process area to arrive at the impact of proposed restructuring/changes in both clusters	ECL (Eastern CoalFields Limited), Mugma, Dhanbad	43.33	20.03.2024	19.06.2024	Prof. Saifi Izhar
53	TATA STEEL/2023-2024/1067/ESE	Reduction of Specific fresh Water Consumption (SFWC) at OMQ	Tata Steel Limited, Jamshedpur	36.11	29.01.2024	28.07.2025	Prof. Sukha Ranjan Samadder
54	TATA STEEL/2023-2024/1068/ESE	Rapid growing natural flora to instantaneously develop green cover in opencast Iron ore mines"	Tata Steel Limited, Jamshedpur	25.49	29.01.2024	28.01.2025	Prof. Subodh Kumar Maiti
55	UoY/2023-2024/1082/ESE	YESI Knowledge Exchange Fellows scheme: 2023-2024	University of York, United Kingdom	2	20.03.2024	19.01.2025	Prof. Saifi Izhar
56	ADANI/2023-2024/1097/ESE	Studies on Ecosystem Services at GP-II Coal Block, Tamnar, Chhattisgarh	Gare Palma II Collieries Private Limited, Raigarh, Chhattisgarh (Adani Enterprises Limited)	25.05	19.03.2024	18.03.2025	Prof. Vipin Kumar

57	CPCB(MoEF&CC)/2023-2024/1098/ESE	Inspection of GPIs for Compliance Verification	Central Pollution Control Board, Ministry of Environment, Forest & Climate Change, New Delhi	11.68	26.03.2024	25.09.2024	Prof. Anshumali
Department of Fuel, Minerals & Metallurgical Engineering							
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58	DST(TDT)(388)/2023-2024/1011/FMME	Advanced Wear and Corrosion Resistance Coatings Development and Commercialization in India	DST, New Delhi	7.02	16.03.2023	15.03.2026	Prof. Kesavan Ravi
59	DST(FIST)(391)/2023-2024/1020/FMME	FIST Engineering Sciences Level B C or D - Project	DST, New Delhi	365	06.03.2023	05.03.2028	Prof. Shraavan Kumar
60	SCHNEIDER/2023-2024/1024/FMME	Development of experimental setup for grinding circuit and generate data to get insights into mill state such as mill charge, ball charge, liner wear and overload: Phase I	Schneider Electric Systems India Private Limited, Hyderabad	6.99	22.06.2023	21.09.2023	Prof. Shraavan Kumar
61	DVC/2023-2024/1035/FMME	Assessment of Imported Coal Properties of Damodar Valley Corporation	DVC, Kolkatta	12.78	01.09.2023	31.08.2024	Prof. Barun Kumar Nandi
62	MoS/2023-2024/1077/FMME	Development of sustainable technology for efficient utilisation of goethitic ore through magnetising roasting using Biochar	Ministry of Steel, New Delhi	85.32	21.02.2024	20.02.2025	Prof. Shatrughan Soren
63	SERB(CRG)(425)/2023-2024/1094/FMME	Performance Enhancement of Cr-Mn based Austenitic Stainless Steel to be a Potential Low-cost Alternative to 300-Series	SERB, New Delhi	34.1	18.03.2024	17.03.2027	Prof. Madhumanti Bhattacharyya
Department of Humanities & Social Sciences							
Sl. No.	Project No.	Title of The Project	Full Name of Funding Agency	Sanctioned Amount including Manpower (in Lakh)	Start Date of Project (in dd-mm-yyyy)	End Date of Project (in dd-mm-yyyy)	Name of PI
64	ICSSR(10)/2023-2024/1003/HSS	Social hierarchy and resource allocation decisions: The influence of status and power on delay, social, and probability discounting	ICSSR, New Delhi	4.99	15.03.2023	14.03.2024	Prof. Sathya Narayana Sharma
65	ICSSR(13)/2023-2024/1039/HSS	The Quest for Tribal Identity: Religion, Environment and Ethnic Politics in Darjeeling Himalayas, India	ICSSR, New Delhi	4.2	01.09.2023	31.08.2024	Prof. Sangay Tamang
66	TRI/2023-2024/1049/HSS	Public Health Challenges in Mining Areas of Jharkhand	Dr. Ramdayal Munda Tribal Welfare Research Institute, Government of Jharkhand, Ranchi	20	03.11.2023	02.07.2024	Prof. Deepika Sharma
67	ICSSR(14)/2023-2024/1079/HSS	Student Suicides in Prime Engineering Institutions': Understanding the Socio-psychological Base of the Mental Health Emergency	ICSSR, New Delhi	9.5	15.02.2024	14.02.2025	Prof. Sucharita Maji
Department of Management Studies & Industrial Engineering							
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68	ICSSR(9)/2023-2024/1002/MSIE	Factors Affecting Transformational Rural Development and Enhanced Employment Opportunities through Sustainable Entrepreneurial Ventures in Rural areas of Eastern India	ICSSR, New Delhi	13.67	20.03.2023	19.03.2025	Prof. Niadri Das
69	ICSSR(11)/2023-2024/1008/MSIE	Effectiveness of Organ Donation Nudges: Evidence from Eastern Regions of India	ICSSR, New Delhi	12.90	27.03.2023	26.03.2025	Prof. Sabnam Basu

70	ICSSR(12)/2023-2024/1015/MSIE	A micro-level study on the role of the "Financial Channel" in the "Resource Curse" phenomenon: Special focus on banking sector data and behavioral variables from Jharkhand	ICSSR, New Delhi	8.60	21.03.2023	20.03.2025	Prof. Krittika Banerjee
71	TERI/2023-2024/1050/MSIE	Evaluation and Impact of the SMILE project	The Energy And Resource Institute, New Delhi	7.75	23.11.2023	22.05.2024	Prof. Saumya Singh
72	ANKUR BIOCHEM/2023-2024/1058/MSIE	Diagnostic Analysis and Process Improvement through Process Mapping: A Comprehensive Study of Ankur Biochem Private Limited	Ankur Biochem Private Limited, Dhanbad, Jharkhand	8.26	01.01.2024	31.12.2024	Prof. Bibhas Chandra
73	MoTA(CoE)/2023-2024/04/MSIE-01	Capacity Building Training Programmes on Basic Level and Advanced Level Information Technology and Computer Training for Tribals in Jharkhand	Ministry of Tribal Affairs, New Delhi	192.47	28.03.2024	27.03.2028	Prof. Rashmi Singh

Department of Mining Engineering

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74	DST(NRDMS)(385)/2023-2024/1000/MNE	Regional Centre for Geodesy	DST, New Delhi	140.91	07.11.2022	06.11.2025	Prof. V.G.K. Villuri
75	BCCL/2023-2024/1010/MNE	Detection and Monitoring of Longwall Subsidence of Moonidih Colliery, BCCL using Spaceborne SAR Interferometry (InSAR) Techniques	BCCL, Dhanbad	39.90	11.05.2023	10.05.2025	Prof. Mohammad Soyeb Alam
76	MoC/2023-2024/1026/MNE	Development of Synthetic Lightweight Aggregates as Backfilling Material using Hydraulic Stowing Method	Ministry of Coal	36.47	06.07.2023	05.07.2025	Prof. Bhanwar Singh Choudhary
77	MHRD(SPARC)(4)/2023-2024/1033/MNE	Micromechanical Simulation of Overburden Dump Slope under Field Geomining Conditions	MHRD, New Delhi	54.00	28.07.2023	27.07.2025	Prof. Radhakanta Koner

Department of Mechanical Engineering

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78	DST(SERB)(387)/2023-2024/1009/MECH	On the reductions of airfoil-turbulence noise through novel dimple configurations	SERB, New Delhi	36.38	11.05.2023	10.05.2026	Prof. Kabilan B
79	DST(SERB)(389)/2023-2024/1017/MECH	Development of a finite-element based Navier-Stokes solver to study the flow of non-Newtonian fluids past single/double objects in an extremely narrow channel	SERB, New Delhi	27.87	07.06.2023	06.06.2026	Prof. Subhankar Sen
80	DRDO(DMSRDE)(22)/2023-2024/1018/MECH	Performance Evaluation of Nanolubricants in Cryogenic Environment for Low Temperature Applications	DRDO (DMSRDE), Kanpur	48.83	09.06.2023	08.06.2026	Prof. Subrata Kr. Ghosh
81	CSIR(38)/2023-2024/1029/MECH	Design, Fabrication and Calibration of Nanomaterial based Temperature Sensors for short-Duration Transient Measurements	CSIR, New Delhi	17.04	01.08.2023	37.07.2026	Prof. Rakesh Kumar
82	DST(CEFIPRA)(394)/2023-2024/1032/MECH	Data reduction and surrogate modelling of transition to turbulence to Rayleigh-Taylor instability data obtained by DNS	DST(Centre Franco-Indien pour la Promotion de la Recherche Avancee)	39.09	01.09.2023	31.08.2026	Prof. Aditi Sengupta
83	CSIR(39)/2023-2024/1038/MECH	3D Printing of Engineering Components through cold Spray Technique	CSIR, New Delhi	13.5	12.09.2023	11.09.2026	Prof. Alok Kumar Das
84	ROYAL SOCIETY/2023-2024/1040/MECH	Image-based modelling and optimisation of convection-enhanced delivery for combination therapy against heterogeneous human brain tumour	The Royal Society, London, United Kingdom	12.64	12.08.2022	11.08.2024	Prof. Ajay Bhandari
85	DRDO(24)/2023-2024/1043/MECH	Formulation of spray technique for sand crust (Composite) with binder solutions and laboratory testing of sand crust	DRDO, Jodhpur (Rajasthan)	7.46	27.09.2023	26.09.2024	Prof. Sarthak Sambit Singh

86	MoM/2023-2024/1061/MECH	Design and experimental studies of the fiber-reinforced polymer (FRP) solid rock bolts for underground mine support systems	MoM (Ministry of Mines), Gol, New Delhi	96.99	27.12.2023	26.12.2026	Prof. Kalyan Kumar Singh
87	TATA STEEL/2023-2024/1069/MECH	Assessment of Rock Mass Rippability through Geotechnical Investigations for Selection of Suitable Ripper and its Operating Parameters for Sandstone Formations of West Bokaro Mine, Tata Steel Limited	Tata Steel Limited, Jamshedpur	42.79	29.01.2024	28.07.2024	Prof. L.A. Kumaraswamidhas
88	TATA STEEL/2023-2024/1070/MECH	Assessment of Rock Mass Rippability through Geotechnical Investigations for Aiding Selection of Suitable Ripper for Joda East and Khondbond Mines of Tata Steel Limited	Tata Steel Limited, Jamshedpur	28.6	29.01.2024	28.07.2024	Prof. L.A. Kumaraswamidhas
89	DST(SERB)(407)/2023-2024/1072/MECH	Aeroelastic and Gust Response Analysis of Variable Stiffness Smart Composite Wing	SERB, New Delhi	6.6	12.02.2024	11.02.2027	Prof. Prashanta Kumar Mahato
90	DST(SERB)(410)/2023-2024/1075/MECH	Approximate closed form solution of an FGM rotating disc subjected to thermal stresses and its inverse estimation for thermo-mechanical parameters	SERB, New Delhi	6.6	16.02.2024	15.02.2027	Prof. Ashis Mallick
91	SERB(CRG)(424)/2023-2024/1093/MECH	Development of a wind turbine condition monitoring system using signal processing and machine learning techniques	SERB, New Delhi	40.3	18.03.2024	17.03.2027	Prof. Sachin Kumar Singh
Department of Mathematics & Computing							
Sl. No.	Project No.	Title of The Project	Full Name of Funding Agency	Sanctioned Amount including Manpower (in Lakh)	Start Date of Project (in dd-mm-yyyy)	End Date of Project (in dd-mm-yyyy)	Name of PI
92	NBHM(5)/2023-2024/1007/MnC	Coloring graphs with at most Δ -1 Colors	NBHM, Department of Atomic Energy, Mumbai	16.54	11.05.2023	10.05.2026	Prof. Dinabandhu Pradhan
93	SERB(CRG)(418)/2023-2024/1087/MnC	The Game of Cops and Robbers and its Variations: Theory and Bounds	SERB, New Delhi	27.86	07.03.2024	06.03.2027	Prof. Dinabandhu Pradhan
Department of Petroleum Engineering							
Sl. No.	Project No.	Title of The Project	Full Name of Funding Agency	Sanctioned Amount including Manpower (in Lakh)	Start Date of Project (in dd-mm-yyyy)	End Date of Project (in dd-mm-yyyy)	Name of PI
94	MHRD(SPARC)(3)/2023-2024/1031/PE	Development of Polymer augmented surfactant-based microemulsion systems for enhanced oil recovery	MHRD (SPARC)	74.4	28.07.2023	27.07.2025	Prof. Ajay Mandal
95	DST(SERB)(411)/2023-2024/1076/PE	Development of Advection-Diffusion Based Chemo-Thermo-Physical Model for Post-fracturing Pressure Build-up in Shale Formations	SERB, New Delhi	6.6	17.02.2024	16.02.2027	Prof. Vinay Kumar Rajak
96	SERB(CRG)(420)/2023-2024/1089/PE	Synthesis of Bio-Based Zwitterionic surfactant for use in Enhanced Oil recovery (EOR) at High Reservoir Temperature Conditions	SERB, New Delhi	32.56	11.03.2024	10.03.2027	Prof. Tarun Kumar Naiya
Department of Physics							
Sl. No.	Project No.	Title of The Project	Full Name of Funding Agency	Sanctioned Amount including Manpower (in Lakh)	Start Date of Project (in dd-mm-yyyy)	End Date of Project (in dd-mm-yyyy)	Name of PI
97	UGC-DAE CSR/2023-2024/1014/PHYSICS	Single crystal growth and search for novel magnetic phases in 3d Co_2 + frustrated compounds: $\text{A}_3\text{CoTa}_2\text{O}_9$ (A=Ba, Sr, Ca)	UGC-DAE Consortium for Scientific Research, Indore	0.45	30.03.2023	29.03.2024	Prof. Tusharkanti Dey
98	DST(SERB)(392)/2023-2024/1021/PHYSICS	Storage of hydrogen-methane mixture in porous aromatic frameworks (pafs): a multi-scale computational investigation	SERB, New Delhi	13.42	28.06.2023	27.06.2026	Prof. Sridhar Sahu

99	DST(ICD)(406)/2023-2024/1071/PHYSICS	Quest for novel magnetism in selected 3d and 5d based transitional metal oxides	Department of Science & Technology (International Cooperation Division)	10.4	20.10.2023	19.10.2025	Prof. Tusharkanti Dey
100	SERB(SRG)(415)/2023-2024/1083/PHYSICS	Engineer Ultrafast Switching in FePt-based Ferrimagnetic Alloys	SERB, New Delhi	19.91	07.02.2024	06.02.2026	Prof. Ritwik Mondal
101	SERB(CRG)(423)/2023-2024/1092/PHYSICS	Growth of β -Ga ₂ O ₃ /SnO ₂ Heterostructure Integration for UV Photodetector	SERB, New Delhi	16.03	15.03.2024	14.03.2027	Prof. R. Thangavel
102	SERB(CRG)(426)/2023-2024/1095/PHYSICS	Photo-thermal optimization of upconversion nanoparticles as contrast enhancer for Optical Coherence Tomography (OCT)	SERB, New Delhi	19.3	18.03.2024	17.03.2027	Prof. Kaushal Kumar
NVCTI							
Sl. No.	Project No.	Title of The Project	Full Name of Funding Agency	Sanctioned Amount including Manpower (in Lakh)	Start Date of Project (in dd-mm-yyyy)	End Date of Project (in dd-mm-yyyy)	Name of PI
103	DIPP/2023-2024/1051/NVCTI	IPR Chair Professor, Scheme for Pedagogy & Research in IPRs for Holistic Education and Academia (SPRIHA)	Department of Industrial Policy & Promotion, Ministry of Commerce & Industry, GoI, New Delhi	144	20.11.2023	19.11.2028	Prof. Anand Rajagopal