

FY: 2020-21

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	MoES(16)/2020-2021/715/AGL	Characterization of Groundwater In Seismically Active Regions of Uttarakhand, India : Implications For Earthquake Induced Variations	Ministry of Earth Sciences	96.41	30.04.2020	29.04.2023	Prof. T.H. Syed
2	DST(INSPIRE)(258)/2020-2021/721/AGL	Textural-Compositional Evolutions In Olivine-Gabbro And Troctolite During Interaction With Out-of-Equilibrium Aqueous Solutions: Insights Into The Alteration of The Lower Oceanic Crust	DST, New Delhi	28	10.09.2017	10.08.2022	Prof. Alik Sundar Majumdar
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
3	DST(SERB)(TIH)(256)/2020-2021/712/INSTITUTE	Technologies For Mining Under National Mission On Interdisciplinary Cyber Physical Systems (Nm-Icps)	DST-SERB (TIH), New Delhi	700	30.03.2020	29.03.2021	Prof. Shalivahan
4	SJVN/2020-2021/745/AGP	Geological & Geotechnical Studies For Jangi-Thopan Hep	Satluj Jal Vidyut Nigam Limited	35.4	12.03.2020	05.02.2021	Prof. Sanjit Kumar Pal
5	DST(SERB)(265)/2020-2021/747/AGP	Linking Core-Mantle Coupling To The Recent Time Variations In Geomagnetic Field	DST-SERB, New Delhi	26	12.03.2020	12.02.2022	Prof. Swarandeeep Sahoo
6	DST(SERB)(273)/2020-2021/759/AGP	Joint Inversion of Gravity And Magnetotelluric Data With Variable Density And Conductivity For Enhancement of Subsurface Imaging of The Sedimentary Environments Using Global Optimization Technique	DST-SERB, New Delhi	29.4	31.12.2020	30.12.2023	Prof. Upendra K Singh
7	DST(SERB)(274)/2020-2021/760/AGP	Joint Inversion of Shear Coupled-Pl Waveforms, Receiver Functions And Dispersion Curves	DST-SERB, New Delhi	20.02	31.12.2020	30.12.2023	Prof. Mohit Agrawal
8	DST(SERB)(278)/2020-2021/767/AGP (NPDF)	Financial Support Under National Post Doctoral Fellowship To Ms. Kusham Under The Mentorship of Prof. Shalivahan, Department of Applied Geophysics, IIT(ISM) Dhanbad	DST-SERB, New Delhi	14.4	25.01.2021	24.01.2023	Mentor- Prof. Shalivahan
9	IIT(ISM)/2020-2021/777/INSTITUTE	Geophysical Fluid Dynamics Laboratory	IIT(ISM) Dhanbad	20	03.01.2021	28.02.2023	Prof. Swarandeeep Sahoo
10	CIL(16)/2020-2021/792/AGP	Study of Hazards Due To Mining Induced Sub-Surface Cavities And Waterlogged Areas In Inaccessible Old Workings In Underground Coal Mines Using Geophysical Technique	Coal India Limited	199.96	15.03.2021	14.03.2023	Prof. Sanjit Kumar Pal
Department of Chemical 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
11	DST(FIST)(260)/2020-2021/736/CHEMICAL	To Strengthen The Research Facilities In The Department of Chemical Engineering	DST, New Delhi	156	30.09.2020	29.09.2025	Prof. Rajiv Shekhar
12	DST(SERB)(262)/2020-2021/742/CHEMICAL ENGG.	Rational Design And Heterogenization of Heteropolyacid Catalysts For The Production of Alkyl Levulinates As Green Gasoline Additives	DST-SERB, New Delhi	30.91	24.11.2020	23.11.2022	Prof. Ejaz Ahmad
13	PSA/2020-2021/790/CHEMICAL	Delhi-Cluster: Delhi Research Implementation And Innovation (Driiv) Theme: Solid Waste Management	Principal Scientific Adviser To The Government of India	24.395	12.07.2020	12.06.2023	Prof. Ejaz Ahmad

14	DST(SERB)(284)/2020-2021/793/CHEMICAL	Investigating Uncharted 2D Catalytic Materials For Lignocellulosic Biomass Transformation Into High-Value Platform Chemicals And Fuel	DST-SERB, New Delhi	30.25	26.03.2021	25.03.2024	Prof. Ejaz Ahmad
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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	IGSTC/2020-2021/709/CHEMISTRY	Co2 And Biomass As Feedstock For The Production of Fuels And Chemical Intermediates (Co2Biofeed)	Indo-German Science & Technology Centre, New Delhi	84.1	05.01.2020	30.04.2023	Prof. Biswajit Chowdhury
16	IIT(ISM)/2020-2021/710/CHEMISTRY	Development of New Process Chemistry Towards Synthesis of Re-Purposed Drugs For Potetial Treatment of Covid -19	DST-SERB, New Delhi	24.64	21.05.2020	20.05.2021	Prof. Somnath Yadav
17	Tata Steel/2020-2021/731/CHEMISTRY	Novel Polymeric Flocculants Towards Selective Removal of Iron Ore Particles With Enhanced Efficiency	Tata Steel Limited, Jamshedpur	9.44	19.10.2020	31.03.2023	Prof. Sagar Pal
18	Tata Steel/2020-2021/732/CHEMISTRY	Organic Binder Synthesis And Characterization For Iron Ore Pelletization	Tata Steel Limited, Jamshedpur	8.85	19.10.2020	18.10.2022	Prof. Sagar Pal
19	Tata Steel/2020-2021/733/CHEMISTRY	Molecular Modeling Approach To Design New Binder For Low Grade Iron Ore Pelletization	Tata Steel Limited, Jamshedpur	10.77	19.10.2020	18.10.2021	Prof. Niladri Patra
20	DST(SERB)(267)/2020-2021/749/CHEMISTRY	Prediction of Mexb Efflux Inhibitors: A Combined Molecular Dynamics Simulations And Machine Learning Approach	DST-SERB, New Delhi	23.47	12.04.2020	12.03.2023	Prof. Niladri Patra

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
21	DST(FIST)(261)/2020-2021/741/CE	To Strengthen The Research Facilities In The Department of Civil Engineering	DST, New Delhi	191	11.11.2020	11.10.2025	Prof. Sarat Kumar Das
22	DST(SERB)(271)/2020-2021/756/CE	Development of Graphical User Interface Based Empirical Tool For Fast Prediction of Blast Wave Parameters	DST-SERB, New Delhi	0.3	29.11.2020	28.06.2021	Prof. Satadra Das Adhikary
23	RITES/2020-2021/769/CE	Characterization of Construction Materials Through Laboratory Testing of Samples	Rail India Technical And Economic Service Limited	2.36	02.05.2021	02.04.2022	Prof. Sanket Nayak
24	CIL(12)/2020-2021/774/CE	Effect of Blasting On Opencast Mine Dump And Development of Relationship Between Blast Induced Vibration And Dump Design	Coal India Limited	72.43	02.10.2021	02.09.2023	Prof. Rajib Sarkar
25	SCCL/2020-2021/780/CE	Scientific Study On Stability of Proposed Diversion of Bokkalavagu Nallah Over Goaved Out Longwall Panels of Gdk-10 Incline On The Surface And Assessment of Impact of Blasting In Rg Ocp-1 On Embankment of Proposed Diversion Nallah And Assessment of Water Danger To Adriyala Longwall Project, Rg Ocp-1 Expansion.	Singareni Collieries Company Limited	9.735	03.01.2021	30.05.2021	Prof. Srinivas Pasupuleti
26	NDMA/2020-2021/782/CE	Development of Earthquake Disaster Risk Index For 60 Indian Cities	National Disaster Management Authority	15	12.03.2020	12.02.2022	Prof. Rajib Sarkar
27	DST(NGP)(286)/2020-2021/795/CE	21 Days Summer/Winter School (Level-1) On "Geospatial Science And Technologies	DST-NGP, New Delhi	10	04.09.2021	30.04.2021	Prof. Srinivas Pasupuleti
28	DST(SERB)(287)/2020-2021/796/CE	Corrosion Potential of Industrial Waste As A Geomaterial Using Inverse Dielectric Spectroscopy	DST-SERB, New Delhi	32.71	22.03.2021	21.03.2024	Prof. S.K. Das

Department of Computer Science & 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
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29	MeitY/2020-2021/720/CSE	Distributed Cognitive System For Healthcare	Ministry of Electronics And Information Technology	20	28.02.2020	27.02.2023	Prof. Haider Banka
30	NCOE(DSCI)/2020-2021/734/CSE	Ai/MI Driven Intrusion Detection Framework For Iot Enabled Cold Storage Monitoring	NCOE-DSCI	6.14	23.10.2020	22.06.2021	Prof. Sachin Tripathi
31	CSIR(34)/2020-2021/754/CSE	Development of Content-Based Image Filtering Approach To Prevent Objectionable Image Retrieval From The Internet	CSIR, New Delhi	18.6	11.01.2020	31.10.2023	Prof. Arup Kumar Pal
32	SICI(SMP)/2020-2021/785/CSE	Green And Intelligent Edge For Delay-Sensitive Iot Applications	Indo Canadian Shastri Institute, Shastri Mobility Programme	0.57	02.08.2021	28.02.2021	Prof. Tarachand Amgoth
33	CIL(15)/2020-2021/789/CSE	To Develop An Artificial Intelligence (AI) Based Machine Learning Solutions To Enable Prediction of Occurrence of Fire In Opencast Mines Extracting Locked Coal Pillars With Safety	Coal India Limited	26.55	02.10.2021	02.09.2023	Prof Haider Banka

Department of Electrical 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
34	DHI/2020-2021/708/EE	Development of Energy Efficient Control Scheme For Induction Motor Drive Used In Ev And Hev	Department of Heavy Industry	84.37	28.02.2020	27.02.2022	Prof. Sukanta 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
35	DRDO(13)/2020-2021/711/ECE	Design & Analysis of Compact Triple Band Circularly Polarized Dielectric Resonator Antenna For Gps & Rnss Application	DRDO	10	20.05.2020	19.05.2021	Prof. R.K. Gangwar
36	DST(FIST)(257)/2020-2021/713/ECE	Fist-2019 Project of Department of Electronics Engineering	DST, New Delhi	190	01.07.2020	01.06.2025	Prof. Sushrut Das
37	IIEEE/2020-2021/718/ECE	Auto Irrigation And Soil Monitoring System For Covid-19 Migrants Engagement	IIEEE	2.78	15.07.2020	14.01.2021	Prof. Rajeev Kr. Ranjan
38	DRDO(15)/2020-2021/724/ECE	Design And Development of Broadband Circularly Polarized Conformal Antenna Array For Airborne Applications	DRDO	61.06	17.08.2020	16.08.2023	Prof. Ravi Kumar Gangwar
39	MHRD(SICRG)/2020-2021/740/ECE	Memristor Based Biosensor Design For Covid-19	Ministry of Human Resource And Development	10	11.09.2020	11.08.2022	Prof. Rajeev Kumar Ranjan
40	DST(SERB)(268)/2020-2021/750/ECE	Design & Development of Multiple Input Multiple Output (Mimo) Antennas For 5G Applications	DST-SERB, New Delhi	0.6	29.11.2020	28.07.2021	Prof. Ravi Kumar Gangwar
41	SICI(SMP)/2020-2021/751/ECE	Design & Development of Multiple Input Multiple Output (Mimo) Antennas For Sub-6-Ghz Applications	Shastri Indo-Canadian Institute	0.57	21.12.2020	20.01.2021	Prof. Ravi Kumar Gangwar
42	DST(SERB)(277)/2020-2021/766/ECE	Design And Fabrication of Light-Weight Flexible Polarization Independent Broadband Rf And Microwave Absorber Based On Active/Passive Anisotropic Metamaterial	DST-SERB, New Delhi	70	25.01.2021	24.01.2024	Prof. Raghvendra Kumar Chaudhary
43	DST(SERB)(285)/2020-2021/794/ECE	Accurate Correlation of Dot Size Distribution With The Spectral Response of As-Grown And Interdiffused Stacked Quantum Dots Embedded In P-I-N Solar Cells	DST-SERB, New Delhi	40.5	25.03.2021	24.03.2024	Prof. Subindu Kumar

Department of Environmental Science & 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
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44	CIL(14)/2020-2021/786/ESE	Continuous Monitoring In The Change of Ecology of Ananta Ocp, Mcl	Coal India Limited	25	01.01.2021	31.12.2023	Dr Subodh Kumar Maiti
45	HINDALCO/2020-2021/717/ESE	Hydrological Study And Assessment of Ground Water/Surface Water	Hindalco Industries Limited	6.75	05.02.2018	05.01.2021	Prof. B.K. Mishra
46	Tata Steel/2020-2021/719/ESE	Land Use Land Cover Study For Jharia Group of Collieries And Washeries, Tata Steel	Tata Steel limited, Jamshedpur	23.6	01.08.2020	07.01.2022	Prof. Manish Kumar Jain
47	VEDANTA(ESL)/2020-2021/726/ESE	Preparation of Catchment Treatment Plan	Electrosteel Steels Ltd. (Vedanta)	35.4	13.09.2020	03.12.2021	Prof. Anshumali
48	Tata Steel/2020-2021/735/ESE	Evaluating The Impacts of Structural Interventions On To The Environment With Reference To Water Regime of The Area	M/S Tata Steel, Nova Mundi	7.08	30.07.2020	29.07.2021	Prof. Sunil Kumar Gupta
49	Tata Steel/2020-2021/738/ESE	Study of Dust Suppression Chemical	Tata Steel Ltd., Jamshedpur	14.75	20.10.2020	19.10.2021	Dr Alok Sinha
50	DST(SEED)(270)/2020-2021/755/ESE	Improving The Quality And Yield of Salt Produced By The Marginal Agarias of Kutch, Gujarat (Halwad Region) Through Scientific Intervention And Improving Their Income Through Value Addition of Bitterns, Halophyte Plantation And Potable Water Recovery & Arid Region Reclamation Technology With Respect To Lignite Mining Areas In Kutch, Gujarat	DST-SEED, New Delhi	53.61	01.01.2021	31.12.2023	Prof. Biswajit Paul
51	DST(276)/2020-2021/763/ESE	Development of A Low Cost Technology Based On Biochar Supported Green Zerovalent Iron For Arsenic And Fluoride Removal From Water	DST, New Delhi	32.49	24.12.2020	23.12.2023	Prof. Sheeja Jagadevan
52	MoM/2020-2021/773/ESE	Recovery of Copper From Water Bodies Nearby Copper Mines Using Microbial Electrochemical Systems	Ministry of Mines	25	02.10.2021	09.08.2022	Prof. Vipin Kumar
53	SICI(SMP)/2020-2021/776/ESE	Development of Altered Exhaust Pipe Design In School Bus For Reducing Nano Particle Exposure To School Going Children	Shastri Mobility Programme [Ministry of Education (Formerly Mhrd)]	0.57	02.01.2021	22.02.2021	Prof. Suresh Pandian Elumalai

Department of Fuel, Minerals & Metallurgical 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
54	BCCL/2020-2021/737/FMME	Quality Assessment of Coal For Bccl, Dhanbad	Bharat Coking Coal Limited	20.76	11.11.2020	11.10.2023	Prof. Anand Anupam
55	BCCL/2020-2021/744/FMME	Quality Assessment of Slurry Stacked At Patherdih Coal Washery	Bharat Coking Coal Limited	3.89	20.10.2020	19.10.2021	Prof. SHRAVAN KUMAR
56	BCCL-SAIL/2020-2021/764/FMME	Development of Modalities For Fixation of Import Parity Price For Washed Coking Coal Produced By Bccl	BCCL & SAIL	88.26	01.01.2021	30.06.2021	Prof. S. Bhattacharya and Prof. A. Anupam
57	OTPP/2020-2021/778/FMME	Assessment of Utilization Potential of Coal For Power Plants-1 (Otps, Obra)	Obra Thermal Power Project	2.26	18.02.2021	17.02.2022	Prof. Shalini Gautam
58	NIPL/2020-2021/783/FMME	Pure Iron Oxide Production From Ferrous Chloride	Nipuna International Ltd	2.62	03.01.2021	30.06.2021	Prof. Kesavan Ravi
59	BCCL/2020-2021/722/FMME	Thermal Quality Evaluation of Barora Coal Washery Reject	Bharat Coking Coal Limited	8.91	08.10.2020	08.09.2021	Prof. Pankaj Kumar Jain
60	BCCL/2020-2021/723/FMME	Quality Assessment of Moonidih Coal Washery Reject Slurry	Bharat Coking Coal Limited	1.06	26.08.2020	25.09.2020	Prof. Pankaj Kumar Jain
61	BCCL/2020-2021/727/FMME	Quality Assessment of Slurry Stacked At Sudamdih Coal Washery.	Bharat Coking Coal Limited	4.41	15.09.2020	14.09.2021	Prof. Shraavan Kumar

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
62	ICPR(3)/2020-2021/771/HSS	The Study of Evidence of Oral Transmission of The Oldest Indian Buddhist Text	Indian Council of Philosophical Research, New Delhi	5	01.05.2021	01.04.2023	Prof. Gyan Prakash

Department of Management Studies & Industrial Engineering

SL. No.	Project No.	Title of The Project	Full Name of Funding Agency		Start Date of Project (in dd-mm-yyyy)	End Date of Project (in dd-mm-yyyy)	Name of PI
63	CAPGEMINI/2020-2021/730/MS	Develop And Demonstrate Mbse Framework On Plm And Rfp Methodology For An Avionics Component Having Multi-Disciplinary Domains	Capgemini	4.7	19.10.2020	18.03.2021	Prof. Shikha Singh
64	DST(263)/2020-2021/743/MS	Entrepreneurship Training Program Through Online Platform [Faculty Development Programme (Fdp)]	DST, New Delhi	2	11.12.2020	04.11.2021	Prof. Shashank Bansal
65	MoT(2)/2020-2021/757/MS	A Survey Research On Outreach And Effectiveness of Governmental Schemes On Lives of Sc/St Artisans of Jharkhand	Ministry of Textiles Government of India	13.64	01.01.2021	31.12.2021	Prof. Mrinalini Pandey
66	DST(NGSTC)(279)/2020-2021/768/MS	Development of Strategic Interventions Through Communication And Science Media For Enforcing Sustainable And Healthy Lifestyles Among School Children, Teachers And Women	DST-SERB, New Delhi	13.27	02.05.2021	02.04.2022	Prof. Rashmi 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
67	DST(SERB)(259)/2020-2021/729/M&C	Bayesian Individual-Level Modeling of The Spread of Covid-19 Pandemic	DST-SERB, New Delhi	1.83	26.06.2020	25.06.2021	Prof. Gajendra K Vishwakarma
68	CSIR(35)/2020-2021/765/MnC	Joint Modelling of Longitudinal And Time-To-Event Data With Multiple Imputation	CSIR, New Delhi	15.64	12.01.2020	30.11.2023	Prof. Gajendra K. Vishwakarma
69	DST(SERB)(280)/2020-2021/772/MnC	Earthquake Early Warning Detection And Classification Based On Tec Value Using Artificial Intelligence	DST-SERB, New Delhi	6.6	19.12.2020	18.12.2023	Prof. Sanjeev Anand Sahu
70	ICSSR(7)/2020-2021/784/MnC	Normal Activity Initiation By Using Artificial Intelligence Based Technology To Fight Against Covid-19 In Different Hotspots of India	Indian Council of Social Science	5.14	03.01.2021	30.11.2021	Prof. Gajendra K. Vishwakarma
71	NBHM(3)/2020-2021/770/MnC	The μ th Order Mehler-Fock Transform And Some Allied Operators On Function Spaces	National Board For Higher Mathematics (DAE)	16.25	18.01.2021	17.01.2024	Prof. Akhilesh Prasad
72	DST(SERB)(282)/2020-2021/788/MnC (INSPIRE)	Development of Classification, Identification And Feature Extraction Algorithms Using Machine Learning And Artificial Intelligence Techniques For Genome Classification, Protein Classification And Medical Image Analysis	DST-SERB, New Delhi	24.25	04.11.2020	04.10.2025	Mentor - Prof. Subhashis Chatterjee

Department of Mechanical 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
73	DRDO(DRDL)(14)/2020-2021/714/MECH. ENGG.	Design, Development And Supply of Special Purpose Equipment For Cutting of Composite Hardware	DRDO-DRDL	39.62	28.05.2020	27.05.2021	Prof. A.R. Dixit
74	IIT(ISM)/2020-2021/716/INSTITUTE	Design And Development of Mechanical Ventilator	IIT (ISM) Dhanbad	10.4	07.08.2020	07.07.2021	Prof. Arun Dayal Udai
75	DRDO(DRDL)(16)/2020-2021/725/MECH. ENGG.	Formability Study of Ti-6Al-4V Alloy And Its Surface Characterization	DRDO-DRDL	9.83	08.11.2020	08.10.2021	Prof. Alok Kumar Das
76	DST(SERB)(264)/2020-2021/746/MECH	Linear Spatio-Temporal Receptivity Analysis of Compressible And Mixed Convection Boundary Layer Using Bromwich Contour Integral Method	DST-SERB, New Delhi	66	19.11.2020	18.11.2023	Prof. Swagata Bhaumik
77	DST(INSPIRE)(269)/2020-2021/753/MECH	Micromechanics Based Intra And Inter-Laminar Damage Models With Emphasis On Spatial Randomness, Boundary Layer And Interface	DST-SERB, New Delhi	35	08.04.2020	08.03.2025	Prof. SUBHABRATA KOLEY
78	NSM/2020-2021/781/MECH	Exascale Computing of Compressible Rayleigh-Taylor Instability With A Novel Non-Overlapping Parallel Algorithm	National Supercomputing Mission	79	15.03.2021	14.03.2023	Prof. Tapan Kumar Sengupta

79	CIL(13)/2020-2021/775/MME	Design And Deployment of Ventilation Fan Wind Power Recovery System As Alternate Source of Electrical Energy In Underground Coal-Mines	Coal India Limited	66.7	02.10.2021	02.09.2024	Prof. TANMOY MAITY
80	DST(SUPRA)(283)/2020-2021/791/MECH	Control of Sprays And Thermo-Acoustic Oscillations Through An Acoustic Driven Fuel Injector: Passive And Active Control Strategy	DST-SUPRA, New Delhi	151.91	04.01.2021	31.03.2024	Prof. Rabindra Nath Hota

Department of Mining 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
81	SAIL(4)/2020-2021/728/ME	Assessment of Change Detection Due To Mining Activities At The Iron Ore Mines of SAIL At A Scale of Cadastral Using Deep Learning Neural Networks Technique	Steel Authority of India Limited	9.16	20.06.2020	19.06.2021	Prof. Vasanta Govind Kumar Villuri
82	DST(SERB)(275)/2020-2021/761/ME	Mine Slope Management And Monitoring System	DST-SERB, New Delhi	39.97	01.12.2021	01.11.2024	Prof Radhakanta Koner
83	GCPL/2020-2021/762/ME	Study of Assessment of Personal Exposure To Diesel Particulate Matter (Dpm) For 7 Diesel Operated Machines In Underground Workings of Jhanjra Project Colliery, Ecl	Gainwell Commosales Private Limited, Jhanjra Project Colliery, Burdwan (West), West Bengal	5.9	01.01.2021	30.06.2021	Prof. Partha Sarathi Paul
84	ITD CEM/2020-2021/779/ME	Scientific Study To Develop A Controlled Excavation Methodology For Dismantling Concrete Berths At Or-I And Or-II Site, Vishakhapatnam Port Trust	ItD Cementation India Limited	31.86	01.03.2021	31.12.2022	Prof. V M S R Murthy

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
85	OIDB/2020-2021/739/PE	Foam Assisted Oil-Water Nanoemulsion For Enhanced Oil Recovery: Experimental And Molecular Dynamic Simulation Studies	Oil Industry Development Board	68.95	23.11.2020	22.11.2022	Prof. Ajay Mandal
86	OIDB/2020-2021/752/PE	Use of Natural Extracts As Pour Point Depressants For Flow Assurance of Waxy Crude	Oil Industry Development Board	34.03	16.12.2020	15.12.2022	Prof. TARUN KUMAR NAIYA
87	DST(SERB)(272)/2020-2021/758/PE	Micro Scale Investigation of Miscibility Behaviour of Co2 With Crude Oil For Enhanced Oil Recovery And Its Geological Sequestration Potential In The Oil Fields of Cambay Basin	DST-SERB, New Delhi	44.81	24.12.2020	23.12.2023	Prof. Ajay Mandal

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
88	DST(266)/2020-2021/748/PHYSICS	Laser Biospeckle Techniques For Optimum Utilization of Irrigation Water By Monitoring In-Situ Plant Water Stress	DST, New Delhi	38.38	12.04.2020	12.03.2023	Prof. Anil Kumar Nirala
89	DST(SERB)(281)/2020-2021/787/PHYSICS (OVDF)	Financial Support Under Serb - Ualberta Overseas Visiting Doctoral Fellowship 2019-20 To Ms. Labanya Bhattacharya Under The Guidance of Prof. Alex Brown, At University of Alberta, Edmonton, Canada	DST-SERB, New Delhi	11.99	29.12.2020	28.06.2021	Guide - Prof. Sridhar Sahu