

Department of Applied Geology

SL. No.	Project No.	Title of The Project	Full Name of Funding Agency	Sanctioned Amount including Manpower (in Rupees)	Start Date of Project (in mm-dd-yyyy)	End Date of Project (in mm-dd-yyyy)	Name of PI
1	DST(NRDMs)(230)/2019-2020/647/AGL	Evaluating Basin-Scale Estimates of Evapotranspiration Using Space-Based Observations	Department of Science & Technology	2143200.00	4/29/2019	4/29/2022	Prof. Tajdarul Hassan Syed
2	DST(SERB)(251)/2019-2020/700/AGL	Mettallogenetic Evolution of Gold (+Pge) Mineralization With Implications For Crust-Mantle Processes, Invisible Gold And Role of Organic Matter Linked To Mineralization Events In Parts of Archean Singhbhum Orogenic Belts	Science And Engineering Research Board	5180240.00	12/2/2020	12/2/2023	Prof. A S Venkatesh
3	DST(SERB)(252)/2019-2020/701/AGL	Structural Geometry, Kinematics of Deformation, Grain Scale Deformation Mechanisms And Geothermobarometry of The East-Central Part of The Mahakoshal Belt, Central India: Implication On The Tectonic Evolution of The Central Indian Tectonic Zone	Department of Science & Technology	6985240.00	2/5/2020	2/5/2023	Prof. Mrinal Kanti Mukherjee
4	DST(SERB)(253)/2019-2020/702/AGL	Influence of Micro-Domain Phase Variation On Kinematic And Metamorphic Reactions In Assessing Petrological Evolution of Rocks	Science And Engineering Research Board	2706000.00	2/19/2020	2/19/2023	Prof. Upama Dutta

Department of Applied Geophysics

SL. No.	Project No.	Title of The Project	Full Name of Funding Agency	Sanctioned Amount including Manpower (in Rupees)	Start Date of Project (in mm-dd-yyyy)	End Date of Project (in mm-dd-yyyy)	Name of PI
1	DST/INSPIRE/(240)/2019-2020/667/AGP	Thermochemical Convection In The Earth'S Core With Thermal Core-Mantle Interaction.	Department of Science & Technology	3500000.00	7/15/2019	7/15/2024	Prof. Swarandeeep Sahoo
2	DAE(BRNS)(7)/2019-2020/669/AGP	Geophysical Prospecting Along Northern Fringes of Dalma Volcanics Around Kantaldih – Pharenga Area	Department of Atomic Energy	2993600.00	7/30/2019	7/30/2022	Prof. Shalivahan

Department of Chemistry & Chemical Biology

SL. No.	Project No.	Title of The Project	Full Name of Funding Agency	Sanctioned Amount including Manpower (in Rupees)	Start Date of Project (in mm-dd-yyyy)	End Date of Project (in mm-dd-yyyy)	Name of PI
1	Tata Steel & IIT(ISM) - MoU/2019-2020/644/AC	Structural Reformation of Enfloc For Treatment of Bot Water	Tata Steel Ltd., Mumbai	1900000.00	4/3/2019	10/2/2020	Prof. Sagar Pal
2	DST(236)/2019-2020/657/CHEMISTRY	Co2 As A Building Block For Synthesis of Fine Chemical And Fuel Over Functionalized Materials.	Department of Science & Technology	6312032.00	7/28/2019	7/28/2022	Prof. Biswajit Chowdhury

3	CSIR(30)/2019-2020/658/CHEMISTRY	Syntheses of Both Enantiomers of Carbohydrate Based Organocatalysts And Gelators From D- Or L- Arabinose And Their Applications In Asymmetric Organocatalysis.	Council of Scientific & Industrial Research	1400000.00	5/17/2019	5/17/2022	Prof. Somnath Yadav
4	DST(SERB)(237)/2019-2020/661/CHEMISTRY	Identification And In Vivo Validation of C-Jun-N-Terminal Kinase 3 (Jnk-3) Inhibitors As Novel Therapeutics For Neurodegenerative Diseases	Science And Engineering Research Board	4232910.00	6/20/2019	6/20/2022	Prof. Parthasarathi Das
5	Tata Steel & IIT(ISM) - MoU/2019-2020/662/CHEMISTRY	Supramolecular Gelator For Oil Demulsification	Tata Steel Limited	1595000.00	7/15/2019	1/15/2022	Prof. Swapan Dey
6	HIGUM/2019-2020/686/CHEMISTRY	Modification of Polysaccharides For Various Commercial Applications	Hindustan Gum & Chemical Ltd.	1080000.00	11/30/2019	11/30/2022	Prof. Sagar Pal

Department of Civil Engineering

SL. No.	Project No.	Title of The Project	Full Name of Funding Agency	Sanctioned Amount including Manpower (in Rupees)	Start Date of Project (in mm-dd-yyyy)	End Date of Project (in mm-dd-yyyy)	Name of PI
1	MHRD(SPARC)(1)/2019-2020/641/CE	Geoenvironmental And Geotechnical Issues of Coal Mine Over Burden	Ministry of Human Resource Development	4391561.00	3/23/2019	3/23/2021	Prof. Sarat Kumar Das
2	BCCL(1)/2019-2020/645/CE	Laboratory Testing of Samples of Construction Materials	Bharat Coking Coal Limited	873200.00	7/29/2019	1/29/2020	Prof. Sanket Nayak
3	MHRD(SPARC)(2)/2019-2020/651/CE	Nonlinear Vibration And Instability Analysis of Composite Structural Elements Through Advanced Shear-Deformation Theories And Homogenization Based Damage Model	Ministry of Human Resource Development	4991220.00	7/29/2019	3/31/2023	Prof. Sarat Kumar Panda
4	RCPL/2019-2020/660/CE	Evaluation of Materials For Concrete Mix Design M15, M20, M25 And M30	Rajbir Construction Pvt Ltd.	236000.00	7/8/2019	10/8/2019	Prof. Sanket Nayak
5	JSBCCL/2019-2020/668/CE	Mix Design of M25 And M30 Concrete	Jharkhand State Building Construction Corporation Limited.	117985.84	8/22/2019	11/22/2019	Prof. Smruti Sourava Mohapatra
6	Tata Steel/2019-2020/675/CE	Development of Cement-Free Concrete Using Ggbs And Fly Ash For Civil Infrastructures	Tata Steel Limited	2360000.00	9/16/2019	6/30/2023	Prof. Satadru Das Adhikary
7	L&T/2019-2020/679/CE	Critical Assessment of Road Network, Pavement And Its Elements As Per The Relevant Irc And Is Codal Provisions	Larsen & Toubro	1503000.00	10/18/2019	6/18/2023	Prof. Smruti Sourava Mohapatra
8	DST(SERB)(254)/2019-2020/703/CE	Mathematical Modeling of Concrete Structures Under Combined Blast And Impact Loading.	Department of Science & Technology	660000.00	2/21/2020	2/21/2023	Prof. Satadru Das Adhikary

Department of Computer Science & Engineering

SL. No.	Project No.	Title of The Project	Full Name of Funding Agency	Sanctioned Amount including Manpower (in Rupees)	Start Date of Project (in mm-dd-yyyy)	End Date of Project (in mm-dd-yyyy)	Name of PI
1	DST(SERB)(234)/2019-2020/654/CSE	Machine Learning Based Agriculture Advent For Farmer Activity Development In India: An Application Approach	Science And Engineering Research Board	2046500.00	6/1/2019	6/1/2022	Prof. Dharavath Ramesh

2	DST(SERB)(239)/2019-2020/665/CSE	Development of Lizard-Like Robotic Spy Surveillance System	Science And Engineering Research Board	1698832.00	5/22/2019	5/22/2022	Prof. Ansuman Bhattacharya
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Department of Electrical Engineering

SL. No.	Project No.	Title of The Project	Full Name of Funding Agency	Sanctioned Amount including Manpower (in Rupees)	Start Date of Project (in mm-dd-yyyy)	End Date of Project (in mm-dd-yyyy)	Name of PI
1	DST(SERB)(231)/2019-2020/650/EE	Development of A Non-Invasive Insulation Diagnostic System For Large Power Equipment Employing Cellulose Impregnated With Alternate Dielectric Liquid As Its Primary Insulation Taking Into Consideration The Influence of Trapped Charge Present In The System	Department of Science & Technology	4009354.00	5/9/2019	5/9/2022	Prof. Arijit Baral
2	DST(SERB)(233)/2019-2020/653/EE	Design And Development of Fiber Ring Loop Down (FrlD) Based Monitoring System For Roof Safety Measure In Underground Mines	Department of Science & Technology	3338764.00	5/29/2019	5/29/2022	Prof. Sanjoy Mandal
3	DST(SERB)(247)/2019-2020/692/EE	Multi-Output Series Resonant Inverter For Non-Contact Heating In Rural Domestic Cooking Applications	Department of Science & Technology	1518000.00	12/19/2019	3/26/2023	Prof. Devara Vijaya Bhaskar
4	DST(SERB)(249)/2019-2020/696/EE	Execution of A Common Approach For Current Sensor Fault-Tolerant Control of Induction Motor Drives In Different Control Regimes	Science & Engineering Research Board	4686264.00	5/25/2019	5/25/2022	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 Rupees)	Start Date of Project (in mm-dd-yyyy)	End Date of Project (in mm-dd-yyyy)	Name of PI
1	DST(SERB)(226)/2019-2020/639/ECE	Performance Evaluation of Controller Placement For Software Defined Networks	Science & Engineering Research Board	1820590.00	3/12/2019	3/12/2022	Prof. Jaisingh Thangaraj
2	CSIR(32)/2019-2020/663/ECE	Design And Development of Deployable Thin Film Based Evanescent Field Sensor To Check The Quality of Food From Adulteration.	Council of Scientific & Industrial Research	1738365.00	7/16/2019	7/16/2022	Prof. Sanjeev Kumar Raghuvanshi
3	DRDO(12)/2019-2020/680/ECE	Study And Design of Wideband Conformal Antenna Based On Dielectric Resonator With High Power Handling Capabilities	Defense Research And Development Organisation	972000.00	10/30/2019	10/30/2020	Prof. Raghvendra Kumar Chaudhary
4	DST(SERB)(245)/2019-2020/689/ECE	On-Chip Silicon Photonic Switches For High Performance Computing And Datacenter Networks	Department of Science & Technology	2034500.00	7/15/2019	7/15/2022	Prof. Devendra Chack
5	DST(SERB)(246)/2019-2020/690/ECE	Development of Signal Processing Framework For Uplink/Downlink of Multi-Cell, Multi-User Massive MIMO-FBMC-OQAM Based 5G Communication System	Science & Engineering Research Board	1302400.00	12/13/2019	12/13/2021	Prof. Himanshu Bhusan Mishra

Department of Environmental Science & Engineering

SL. No.	Project No.	Title of The Project	Full Name of Funding Agency	Sanctioned Amount including Manpower (in Rupees)	Start Date of Project (in mm-dd-yyyy)	End Date of Project (in mm-dd-yyyy)	Name of PI
1	DST(FICCI)/(1)/2019-2020/646/ESE	Environmental Management, Engineering Sciences	Department of Science & Technology	371667.00	4/30/2019	10/30/2019	Prof. Anshumali
2	DST(238)/2019-2020/664/ESE	Pavitr- Potential And Validation of Sustainable Natural & Advance Technologies For Water & Wastewater Treatment, Monitoring And Safe Water Reuse In India.	Department of Science & Technology	5069000.00	3/31/2019	3/31/2023	Prof. Sunil Kumar Gupta
3	DST(FICCI)(2)/2019-2020/681/ESE	Biogeochemical Appraisal of The Groundwater Nitrate Pollution Due To Agriculture Activities In Son River Basin, India	Department of Science & Technology	400000.00	11/15/2019	5/15/2020	Prof. Anshumali
4	DST(SERB)(243)/2019-2020/683/ESE	Solar Driven Community Portable Water Purification System	Science & Engineering Research Board	7209400.00	11/15/2019	11/15/2022	Prof. Saravanan Pichiah
5	IIT(ISM)/P/2019-2020/685/INSTITUTE	Development of Catalyst-Reductant System To Control Nox Emissions From Lean Burn Engines	IIT(ISM), Dhanbad	450000.00	12/6/2019	12/5/2021	Prof. Pratchi Singh

Department of Fuel, Minerals & Metallurgical Engineering

SL. No.	Project No.	Title of The Project	Full Name of Funding Agency	Sanctioned Amount including Manpower (in Rupees)	Start Date of Project (in mm-dd-yyyy)	End Date of Project (in mm-dd-yyyy)	Name of PI
1	WBPDCI(STPS)(1)/2019-2020/648/FME	Identification of Optimum Blending Ratio of Two Coals For Santaldih Thermal Power Station	Bharat Coking Coal Limited	472000.00	6/30/2018	6/30/2021	Prof. Sumantra Bhattacharya
2	WBPDCI(STPS)(2)/2019-2020/649/FME	Comparative Assessment of Coal Combustion Characteristics	West Bengal Power Development Corporation Limited	460200.00	12/19/2018	3/19/2019	Prof. Sumantra Bhattacharya
3	DST(SERB)(TARE)(242)/2019-2020/678/FMME	Beneficiation And Extraction of Platinum And Platinum Group Elements (Pge) From Mangalwedha Soil	Science And Engineering Research Board	1848000.00	10/18/2019	10/18/2022	Prof. N R Mandre
4	BCCL(3)/2019-2020/682/FMME	Development of Empirical Relationship Between Proximate Analysis And Heat Value of Patherdih Reject Coal	Bharat Coking Coal Limited	259128.00	8/17/2019	1/17/2022	Prof. Shravan Kumar
5	CCO/2019-2020/699/FMME	Characterization And Grading of Coal Samples Received From The office of The Coal Controllers, Ranchi, Jharkhand	Coal Controller'S Organisation, Ministry of Coal	291077.00	2/10/2020	2/9/2021	Prof. Nikkam Suresh
6	PTPP/2019-2020/704/FMME	Characterization And Assessment of Utilization Potential of Coal For Power Plants	Parichha Thermal Power Plant	198240.00	9/21/2019	9/21/2021	Prof. Shalini Gautam
7	OTPP/2019-2020/705/FMME	Assessment of Utilization Potential of Coal For Power Plants	Obra Thermal Power Plant	84960.00	11/11/2019	11/11/2021	Prof. Shalini Gautam

Department of Humanities & Social Sciences

SL. No.	Project No.	Title of The Project	Full Name of Funding Agency	Sanctioned Amount including Manpower (in Rupees)	Start Date of Project (in mm-dd-yyyy)	End Date of Project (in mm-dd-yyyy)	Name of PI
1	ICSSR(5)/2019-2020/676/HSS	Theatre And Dance Movement Therapy As Rehabilitative Tools For People With Mental Retardation: An Empirical Study	Indian Council of Social Science Research	630000.00	9/23/2019	9/23/2021	Prof. Nirban Manna
2	ICSSR(6)/2019-2020/687/HSS	Designing Trilingual Dictionary of Lesser Known Munda Languages In Jharkhand: Towards Promotion And Dissemination of Indigenous Knowledge And Heritage	Indian Council of Social Science Research	472500.00	12/1/2019	12/1/2020	Prof. Rajni Singh

Department of Management Studies & Industrial Engineering

SL. No.	Project No.	Title of The Project	Full Name of Funding Agency	Sanctioned Amount including Manpower (in Rupees)	Start Date of Project (in mm-dd-yyyy)	End Date of Project (in mm-dd-yyyy)	Name of PI
1	DST(NSTMIS)(232)/2019-2020/652/MS	Developing A Framework of Critical Indicators For Success of Remanufacturing In India	Department of Science & Technology	1656600.00	7/16/2019	7/16/2021	Prof. Sandeep Mondal
2	DST(SERB)(248)/2019-2020/694/MS	Mixture Reliability Analysis of Remanufactured Products.	Department of Science & Technology	660000.00	1/16/2020	1/16/2023	Prof. Sandeep Mondal

Department of Mathematics & Computing

SL. No.	Project No.	Title of The Project	Full Name of Funding Agency	Sanctioned Amount including Manpower (in Rupees)	Start Date of Project (in mm-dd-yyyy)	End Date of Project (in mm-dd-yyyy)	Name of PI
1	CSIR(31)/2019-2020/659/M&C	Mahemathical Modeling of Elastic Waves In Fractional Order Thermoelastic Solids With Micro-Configurations And Intially Stressed Media	Council of Scientific & Insdustrial Research	1576000.00	7/5/2019	7/5/2022	Prof. Shishir Gupta
2	DST(SERB)(250)/2019-2020/698/M&C	Study of Implicator Based Lattice Valued Automata	Department of Science & Technology	660000.00	2/5/2020	2/5/2023	Prof. Seetala Prasad Tiwari

Department of Mechanical Engineering

SL. No.	Project No.	Title of The Project	Full Name of Funding Agency	Sanctioned Amount including Manpower (in Rupees)	Start Date of Project (in mm-dd-yyyy)	End Date of Project (in mm-dd-yyyy)	Name of PI
1	DST(SERB)(227)/2019-2020/640/MECH. ENGG.	Development of Light Weight High Entropy Alloy (Hea) Nanocomposites	Department of Science & Technology	4588000.00	3/18/2019	7/18/2022	Prof. Ashis Mallick
2	DST(FIST)(229)/2019-2020/643/MECH. ENGG.	Augmentation of Research Facility In The Department of Mechanical Engineering	Department of Science & Technology	18700000.00	7/14/2019	7/14/2024	Prof. Shailendra Narayan Singh
3	DST(SERB)(235)/2019-2020/656/MECH. ENGG.	Model Updating & Aeroelastic Control of Delaminated Aircraft Structures	Department of Science & Technology	4680456.00	6/29/2019	12/28/2022	Prof. P K Mahato
4	DST(FIST)(228)/2019-2020/642/MME	Upgradation of Power Hydraulics Lab	Department of Science & Technology	15200000.00	3/28/2019	3/28/2024	Prof. Kabir Dasgupta

5	DST(SERB)(244)/2019-2020/684/MECH. ENGG.	Modeling of Wear In Radial Hydraulic Turbine	Science And Engineering Research Board	3611759.00	11/13/2019	11/13/2022	Prof. Shibayan Sarkar
Department of Mining Engineering							
SL. No.	Project No.	Title of The Project	Full Name of Funding Agency	Sanctioned Amount including Manpower (in Rupees)	Start Date of Project (in mm-dd-yyyy)	End Date of Project (in mm-dd-yyyy)	Name of PI
1	CIL(11)/2019-2020/655/ME	Development And Field Trial of 500 T Capacity Sages-Iii For Use With Continuous Miners (Phase-Iii)	Coal India Limited	8569000.00	5/1/2019	11/1/2021	Prof. Upendra Kumar Singh
2	GTG/2019-2020/666/INSTITUTE	Preparation of Master Plan-2030 For Dhanbad Municipal Corporation	Dhanbad Municipal Corporation	3215000.00	6/30/2019	9/30/2021	Prof. Vasanta Govind Kumar Villuri
3	SAIL(3)/2019-2020/670/ME	Preparation of High-Resolution Satellite Images Obtained From of Cartosat-2 Satellite Liss-Iv/Liss-V Sensor On The Scale of Cadastral Map of Iron/Mn Ore Mines of Sail	Steel Authority of India Limited	695000.00	5/21/2019	7/20/2019	Prof. Vasanta Govind Kumar Villuri
4	DST(CCORD)(241)/2019-2020/671/ME	Investigation Into The Planning And Design Aspects Governing The Selective Coal Cutting Technology Using Surface Minor For Various Rock Conditions For Clean Coal Production	Department of Science & Technology	33638680.00	6/14/2019	7/31/2023	Prof. V M S R Murthy
5	NACL/2019-2020/672/ME	Scientific Study Regarding Blast Induced Ground Vibration, Control of Flying Fragment And Blasting In The Vicinity of Inhabited Area of Surface Coal And Bauxite Mines	National Aluminium Company Limited	590000.00	10/1/2019	1/31/2020	Prof. B.S. Choudhary
6	RCPL/2019-2020/673/ME	Regarding Blast Induced Ground Vibration ,Control of Flying Fragment And Blasting In The Vicinity of Inhabited Area of Stone Quarries	Ramiya Constructions Pvt. Ltd.	390308.00	7/20/2019	3/20/2022	Prof. Bhanwar Singh Choudhary
7	ECL(2)/2019-2020/674/ME	Scientific Study On Ultimate Pit Slope, Dump Slope And Monitoring of Slope Stability At Dalurband O.C.P, Pandaveswar Areas of Eastern Coalfield Limited (Ecl)	Eastern Coalfield Limited.	1740500.00	8/14/2019	5/14/2020	Prof. Gnananandh Budi
8	BCCL(2)/2019-2020/677/ME	Scientific Study Regarding Blast Induced Ground Vibration, Control of Flying Fragment And Blasting In The Vicinity of Inhabited Area of Surface Coal And Bauxite Mines	Bharat Coking Coal Limited	544615.00	7/21/2019	3/21/2022	Prof. Bhanwar Singh Choudhary
9	BCCL(4)/2019-2020/688/ME	Scientific Study Regarding Blast Induced Ground Vibration, Control of Flying Fragment And Blasting In The Vicinity of Inhabited Area of Surface Coal Mines In Amalgamated Nt-St Jg Colliery, Lodna Area And Amalgamated Sudamdih-Patherdih Colliery, Eastern Jharia Area	Bharat Coking Coal Limited	1089230.00	7/4/2019	3/4/2022	Prof. Bhanwar Singh Choudhary
10	MoC(3)/2019-2020/693/ME	Evaluation Study of The Central Sector Schemes For Their Continuation Beyond 2019-20	Ministry of Coal	3330000.00	10/21/2019	4/21/2020	Prof. R M Bhattacharjee

11	BCCL(5)/2019-2020/697/ME	Scientific Study of Slope Stability Etc. of Kocp, Kuya Colliery As Per Provision of Regulation No. 106 of Coal Mines Regulation 2017	Bharat Coking Coal Limited	1239000.00	2/12/2020	8/11/2020	Prof. Gnananandh Budi
12	DST(SERB)(255)/2019-2020/706/ME	An Investigation of Ergo-Human Model To Evaluate The Functional Capacity of Coal Mine Workers	Department of Science & Technology	3850739.00	2/26/2020	8/26/2023	Prof. Partha Sarathi Paul
13	SMS/2019-2020/707/ME	To Conduct A Research And Development Project On Blast Vibration Study In Stoping And Development of Both Footwall And Hangwall Lode At Tummalapalle Mine	Sancheti Mining Service Li	354000.00	8/4/2020	3/4/2022	Prof. Bhanwar Singh Choudhary

Department of Petroleum Engineering

SL. No.	Project No.	Title of The Project	Full Name of Funding Agency	Sanctioned Amount including Manpower (in Rupees)	Start Date of Project (in mm-dd-yyyy)	End Date of Project (in mm-dd-yyyy)	Name of PI
1	CSIR(33)/2019-2020/691/PE	Synergistic Effects of Nanoparticle And Surfactant In Formation of Nanoemulsion For Application In Enhanced Oil Recovery: Experimental And Molecular Dynamic Simulation Studies	Council of Scientific & Insdustrial Research	2260000.00	12/2/2019	12/2/2022	Prof. Ajay Mandal

CIIE (Department of Physics)

SL. No.	Project No.	Title of The Project	Full Name of Funding Agency	Sanctioned Amount including Manpower (in Rupees)	Start Date of Project (in mm-dd-yyyy)	End Date of Project (in mm-dd-yyyy)	Name of PI
1	NVF/2019-2020/695/CIIE	Tinkering And Innovation Laboratory	Naresh Vashisht Foundation	81000000.00	12/11/2019	12/10/2022	Prof. Pankaj Mishra