



सीएसआईआर-केंद्रीय खनन एवं ईंधन अनुसंधान संस्थान , बरवा रोड परिसर, धनबाद
CSIR- CENTRAL INSTITUTE OF MINING & FUEL RESEARCH, BARWA ROAD CAMPUS, DHANBAD

LIST OF ONGOING GRANT-IN-AID PROJECTS

क्र म/ Sl.	परियोजना संख्या/ Project No.	परियोजना शीर्षक / Project Title	Project Leader/ Co-principal Investigator	प्रायोजक / Sponsor	आरंभ की तिथि/Date of Commencement	पूर्ण होने की तिथि / Date of Completion
1.	GAP/MS/CIL/ 104/2016-17	Development of guideline for prevention & mitigation of explosion hazard by risk assessment and determination of explosibility of Indian coal incorporating risk based mine emergency evacuation and re-entry protocol.	Dr. Santosh Kr. Ray, Dr. Niroj Kr. Mohalik	CIL R&D Board	April, 2016	April, 2024
2.	GAP/MOM/N/1 21/2020-21	Development of Emperical Methodology for Design of crown Pillar during transition from opencast to underground mining for Indian Mines	Dr. Chandrani P. Verma, Dr. John Loui P.	Ministry of Mines, Ministry of Mines Lok Nayak Bhavan Khan Market New Delhi	February, 2021	February, 2024
3.	GAP/MOM/122 /2020-21	Studying, modeling and evolving a new blasting technique for mine excavations near the proximity of structures (beyond 50 m) using the structural response analysis and dynamic finite element modelling.	Dr. Aditya rana , Mr. Narayan kr. Bhagat, Dr.C.Sawmliana	Ministry of Mines, Ministry of Mines Lok Nayak Bhavan Khan Market New Delhi	March, 2021	March, 2024
4.	GAP/MOM/123 /2021-22	Determination of optimum safe distance of toe of dump from crest of open pit slope for stability of pit slope under different geo-mining conditions	Dr. SK.Roy, Dr.J.K.Singh	Ministry of Mines, New Delhi	August, 2021	March, 2024
5.	GAP/TEXMiN/ 124/2022-23	Sensor-based Dust Suppression System for Haul Roads in Opencast Coal Mines	Dr. S.K.Chaulya	TEXMiN Foundation	April,2022	April, 2024
6.	GAP/MEITY/ 125/2022-23	Establishment of a Centre of Innovation & a Manufacturing Eco-system for Sensors (CIMES) in Industrial IoT	Dr. V.K.Himanshu, Dr. R.K.Paswan	Ministry of Electronics and Information Technology	August, 2022	August, 2027
7.	GAP/DST/126/ 2022-23	Development of AI-based computational method for prediction Remaining Useful Life (RUL) of repairable systems" has been	Dr. Ranjan Kumar	Department of Science and Technology	April, 2022	March, 2024

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		sanctioned by Department of Science & Technology (DST)				
8.	GAP/MOM/N/1 27/2022-23	Definition of delay sequencing in blast designs using advance analytical techniques for optimization of blast fragmentation and improving mine economics in non-coal mines	Dr. A.K.Raina	Ministry of Mines	December, 2022	December, 2024
9.	GAP/CIL/128/2 022-23	Development of tandem approach for Paste Fill technology and extraction methodology by Continuous Miner (CM) for Shampur B Colliery Mugma Area, ECL" has been approved by Coal India Limited (CIL)	Dr. S.K.Behera	CIL R&D Board	September 2022	September 2024
10.	GAP/SERB/DS T/129/2022-23	Design of underground coal pillars by stochastic approach considering randomness and spatial variation of rock mass strength	Dr. Arka Jyoti Das	Science and Engineering Research Board (SERB)	March,2023	March, 2026
11.	GAP/SERB/DS T/130/2023-24	Understanding the mechanism of Tsunamigenic mega-earthquake of the Sumatra subduction zone-A microstructural investigation	Dr. Sivaji Lahiri	Science and Engineering Research Board (SERB)	October,2023	October, 2025
12.	GAP/SERB/DS T/131/2023-24	Assessment of the efficacy of an organic and biotechnological approach to fly ash amendment and its subsequent phytostabilization using two different medicinally important plants	Dr.Bhanu Pandey	Science and Engineering Research Board (SERB)	March, 2024	March, 2027
13.	GAP/SERB/DS T/132/2023-24	Mapping if inaccessible old abandoned underground mine workings over shallow depth by geophysical approach	Dr.Abhay Bharti	Science and Engineering Research Board (SERB)	February, 2024	February, 2027