

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 सं ख्या / SI. No	परियोजना संख्या/ Project Number	परियोजना शीर्षक / Project Title	परियोजना प्रमुख/ प्रधान अन्वेषक/ सह-प्रधान अन्वेषक / Project Leader/ Principal Investigator/ Co-principal Investigator	प्रायोजक / Sponsor	आरंभन की तिथि/ Date of Start	पूर्ण होने की तिथि/Date of Completion	कुल परियोजना लागत/Total Project Cost (in Lakhs)
1.	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	December, 2024	₹37.89
2.	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	December, 2024	₹38.19
3.	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. S.K.Roy	Ministry of Mines, New Delhi	August, 2021	December, 2024	₹52.00
4.	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	₹72.60
5.	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	March, 2025	₹16.61

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6.	GAP/CIL/128/2022-23	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)	Mr. Prashant	CIL R&D Board	September 2022	September, 2025	CIMFR: ₹174.79 ECL: ₹4822.66
7.	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. P.K.Mandal	Science and Engineering Research Board (SERB)	March,2023	March, 2026	₹24.63
8.	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	March, 2026	₹27.64
9.	GAP/SERB/DS T/131/2023-24	Assessment of the efficacy of an organic and biotechnological approach to fly ash amendment and its subsequent phytistabilization using two different medicinally important Plants.	Dr.Bhanu Pandey	Science and Engineering Research Board	March, 2024	March, 2027	₹32.21
10.	GAP/SERB/DS T/132/2023-24	Mapping if inaccessible old abandoned underground mine workings over shallow depth by geophysical approach.	Dr. Abhay Kumar Bharti	Science and Engineering Research Board	February, 2024	February,2027	₹50.10
11.	GAP/MOEFCC/133/2024-25	Preparation of Fugitive Emission Inventory for Coal Mining and Handling Activities and Oil & Natural Gas Systems in India	Dr.D. Mohanty	Ministry of Environment, Forest and Climate Change	April, 2024	April, 2028	₹99.85
12.	GAP/ANRF-SERB/DST/134/2024-25	Investigation on in situ gasification kinetics to assess the syngas quality, cavity growth and, it's possible impact on groundwater for varying geologic conditions	Dr.D. Mohanty , Dr.Pallabi Das	Anusandhan National Foundation (ANRF), Science and Engineering Research Board (SERB)	May, 2024	May, 2027	₹32.14

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13.	GAP/ANRF- SERB/DST/135 /2024-25	Development and investigations of new chemical compositions to control the dust emission during blasting operation	Dr.Firoz Ali	Anusandhan National Foundation (ANRF), Science and Engineering Research Board (SERB)	May, 2024	May, 2027	₹24.53
14.	GAP/ANRF- SERB/DST/136 /2024-25	Investigations Towards Mitigation of the Problem of Acid Mine Drainage in India	Dr.Pallabi Das	Anusandhan National Research Foundation	October, 2024	October, 2026	₹28.41
15.	GAP/CIL/137/2 024-25	Study on post-mining accelerated reclamation in coal mining area using soil microbial community	Dr.Siddharth Singh , Dr.Sudarshan Singh Rathore	CIL R&D Board	September 2024	September 2026	₹51.23
16.	GAP/TEXMIN/1 38/2024-25	An online system for classification and analysis of dispatched iron ore lumps and fines using computer vision and machine learning.	Dr. S.K. Chaulya	TEXMiN Foundation, IIT-ISM	November, 2024	November, 2026	₹42.70
17.	GAP/ANRF- SERB/DST/139 /2025-26	Development of Photo-Electrocatalysts for Efficient Co2 Reduction and Water Splitting: An Approach for Sustainable Fuel Production	Dr. Apurba Sinhamahapatra (Mentor) Dr.Abhishikta Chatterjee (Post- Doctoral Fellow)	Anusandhan National Foundation (ANRF), Science and Engineering Research Board (SERB)	December, 2025	December, 2027	₹29.04