



Indian Institute of Technology (Indian School of Mines), Dhanbad
The Office of Dean, Research & Development

Sanction No and Date: Letter No. ANRF/ARG/2025/001897/ENS dated 28 May, 2026	IIT (ISM) Project No.: SRDP 1319 G	Date: 08.06.2026
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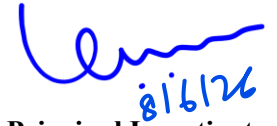
JRF position under ANRF Sponsored Project

Applications are invited under the sponsored project. The details of the project are as under:

Position	ANRF-JRF
Number of Position (s)	ONE
Title of The Project	Model-Guided Deep Beneficiation of High-Ash Indian Coal below 15% Ash via Dense Medium Separation with Pre-Treatment of Near-Density Materials
Principal Investigator	Dr. Chandan Guria Professor, Petroleum Engineering, Indian Institute of Technology (Indian School of Mines), Dhanbad-826 004, Jharkhand. Email: cguria@iitism.ac.in, Mobile: 9431326774
Co- Principal Investigators	1. Dr. Anand Anupam Assistant Professor, Fuel Mineral and Metallurgical Engineering, Indian Institute of Technology (Indian School of Mines), Dhanbad-826 004, Jharkhand. E-mail: anand@iitism.ac.in 2. Dr. Laldeep Gope Technical Officer, Petroleum Engineering, Indian Institute of Technology (Indian School of Mines), Dhanbad-826 004, Jharkhand. E-mail: laldeep@iitism.ac.in
Tenure of Project	Initially for one year (can be extended up to three years/completion of the project). Ph.D. Opportunity: The selected candidate may be allowed to register for the Ph.D. program at IIT (ISM) Dhanbad as per Institute rules. The position may be converted into a regular Institute JRF if the candidate is admitted to the Ph.D. program.
Job Description	<ol style="list-style-type: none">1. Pre-treatment of near-density material (NDM)-rich high-ash coking/semi-coking coal using physical and physico-chemical techniques to enhance coal–mineral liberation.2. Operation and optimization of Dense Medium Cyclone (DMC) systems for deep beneficiation of Indian high-ash coal to achieve clean coal with less than 15% ash and maximum combustible recovery.
Essential Qualification	B.E./B.Tech/M.E./M.Tech in Petroleum Engineering/Chemical Engineering/Mechanical Engineering/Fuel and Mineral Engineering/M. Sc. in Physics or Chemistry with 6.5 CGPA or 60% marks from any recognized Institute /University. Candidate must be GATE or NET qualified.
Desirable Qualification	Outstanding candidates with good academic records and hands-on experience or knowledge in (i) coal characterization, (ii) mineral liberation studies, (iii) washability analysis, and (iv) coal beneficiation techniques will be preferred.
Age and Relaxation (if any)	Not exceeding 30 years at the time of appointment (Age relaxation for SC/ST/OBC/PWD/Female candidate as per GoI rule).
Fellowship	Rs. 37000/- for first 2 years and Rs. 42000/- pm for 3rd year. No HRA will be provided (Campus accommodation will be provided as per Institute rules).
Last Date & Time	25 th June, 2026, 11.00 pm
Tentative Date of Interview	30 th June, 2026, 10.00 am (Offline)

How to Apply: Interested candidates should email a single PDF [containing (i) CV, (ii) GATE/NET score card, (iii) copies of all marksheets and certificates starting from 10th class, (iv) proof of work experience (if any)] to PI cguria@iitism.ac.in on or before 25th June, 2026, 11.00 pm. Candidates should write “**Application for JRF position in ANRF Project**” in the subject of the email.

Shortlisted candidates will be informed via email for interview. No TA/DA will be paid to attend the interview. Mere possession of minimum qualification does not guarantee an invitation to the interview.



**Principal Investigator
(Dr. Chandan Guria)**