



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

Sanction No and Date: Letter No. DAR/27/2025-2026 dated 25 March, 2026	IIT (ISM) Project No.: SRDP 1285 G	Date: 23.09.2026
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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	JRF
Number of Position (s)	ONE
Title of The Project	Development of a Novel Formate-Based Injection Method for Enhanced Carbon Storage and Oil Recovery in Cambay Basin Oil Fields: Supporting Energy Security and Net-Zero Goals
Principal Investigator	Dr. Neetish Kumar Maurya Assistant Professor, Department of Petroleum Engineering Indian Institute of Technology (Indian School of Mines), Dhanbad-826 004, Jharkhand. Email: neetish@iitism.ac.in, Mobile: 9771458839
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	1. Design different format based chemical slug for EOR and carbon sequestration 2. Evaluation of different injection schemes and synergy with other chemical EOR methods.
Essential Qualification	B.Tech/M.E./M.Tech in Petroleum Engineering/Chemical Engineering/M. Sc. In Chemistry. Candidate must be GATE or NET qualified.
Desirable Qualification	For Petroleum Engineering, candidates should have experience or knowledge in Enhanced Oil Recovery (EOR), reservoir simulation. For candidates from Chemistry/Chemical Engineering, knowledge of basic chemistry of salt, surfactants and polymer is desirable.
Age and Relaxation (if any)	The upper age limit will be 28 years at the time of appointment. A relaxation in upper age limit will be given to SC/ST/OBC (Non-Creamy layer)/ Female candidates as per GOI/DST rules.
Fellowship	Rs. 37000/- + Applicable HRA per month for first two years (from start of the project) and may be extended to one more year with fellowship of Rs. 42000/- + Applicable HRA per month on satisfactory performance
Last Date & Time	05 th Oct, 2026, 11.00 pm
Tentative Date of Interview	7th Oct 2026, 10.00 am (Online)
How to Apply: 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 neetish@iitism.ac.in on or before 05 th Oct, 2026, 11.00 pm. Candidates should write “ Application for JRF position in ANRF Project ” in the subject of the email.	

PI (Dr. Neetish Kumar Maurya)