



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

Sanction Contract No. and Date:
6121625, Dated: 09/09/2025

IIT (ISM) Project No: SRDP 1235 I

Date: 27/09/2025

JRF position under the Oil India Limited Sponsored Project

Applications are invited under the sponsored project. The details of the project are given below.

Position	Junior Research Fellow (JRF)
Number of Position (s)	ONE
Title of The Project	Development of Novel Self-Healing Cement Additive for Oil and Gas Fields of Oil India Limited.
Principal Investigator	Dr. Vikas Mahto Professor and Head of the Department Department of Petroleum Engineering Indian Institute of Technology (Indian School of Mines), Dhanbad-826004, Jharkhand. Email Id: vikas@iitism.ac.in , Mobile Number: 9431711023
Tenure of Project	Two years. [The position may be converted to a regular JRF of the Institute at any point, subject to IIT(ISM) rules.]
Job Description (in maximum of 100 words)	The R&D project, in collaboration with Oil India Limited, focuses on developing advanced self-healing cement systems to enhance well integrity in oil and gas fields. The selected JRF will work with cutting-edge laboratory setups and design novel cement formulation with direct relevance to Oil India Ltd.
Essential Qualification	<ul style="list-style-type: none">• M.E./M.Tech or B.E/B.Tech in Petroleum Engineering/ Chemical Engineering/ Mechanical Engineering/ Civil Engineering/ Petrochemical Engineering/ Polymer Science and Engineering/ Structural Engineering/ Geotechnical Engineering/ Construction Technology and Management/Material Science or Nanotechnology with more than 60% marks or equivalent CGPA/OGPA.• M.Sc./M Tech in Chemistry/ Applied Chemistry/ Industrial Chemistry with more than 60% marks or equivalent CGPA/OGPA.• Candidates must be either GATE or NET qualified.
Desirable Qualification	Candidates with excellent academic background will be preferred.
Age and Relaxation (if any)	The upper age limit will be 28 years at the time of appointment. A relaxation in the upper age limit will be given to SC/ST/OBC (Non-Creamy layer)/ Female candidates as per GOI/DST rules.
Fellowship	Rs. 37,000/- per month for two years (from the start of the project).
Last Date & Time	28 th October 2025, 11.00 pm
Tentative Date of Interview	30 th October 2025, 9.00 am (Online)

Application Procedure: Candidates interested in the position are required to submit a hard copy of their application along with their CV and self-attested copies of all relevant degree/caste certificate/age proof certificate/GATE or NET scorecard (*if qualified*) and experience certificates (*if any*) via speed post. Additionally, a soft copy of the same should be emailed to the Principal Investigator. Shortlisted eligible candidates will be invited for an interview. Kindly mention the project number in the subject line of your application. The interview will be conducted in online mode.

Vikas Mahto
27.09.2025

(Prof. Vikas Mahto)
Project Investigator