



Indian Institute of Technology (ISM) Dhanbad
Office of the Dean (Research & Development)

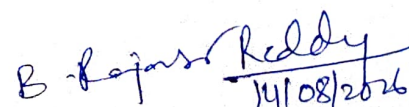
Sanction No and Date: No. Met4-14/18/2026-Metal-IV dated 22.07.2026	IIT (ISM) Project No. SRDP 1352 G	Date: 14-08-2026
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Project Staff (Junior research Fellow) position under Ministry of Mines Project

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

Position	Junior research Fellow (JRF)
Number of Position (s)	01
Title of The Project	Microwave-Assisted Enhanced Recovery of Rare Earth Elements from Fly Ash and Coal Washery Rejects
Principal Investigator	Dr. Busigari Rajasekhar Reddy, Assistant Professor, Department of Fuel, Minerals & Metallurgical Engg., IIT(ISM) Dhanbad
Tenure of Project	Two years (maximum) or until the completion of the project, whichever comes earlier. <i>(The position may be converted into a regular JRF of the institute at any point subject to IIT(ISM) rules).</i>
Job Description (in Maximum of 100 words)	The research project focuses on developing an integrated microwave-assisted hydrometallurgical process for the enhanced recovery of critical rare earth elements (REEs) from industrial waste such as fly ash and coal washery rejects. It aims to optimize microwave-assisted leaching kinetics to maximize metal recovery and conduct techno-economic assessments comparing the microwave-integrated and conventional extraction processes.
Essential Qualification	• M.E./M.Tech/ M.S/ Integrated M.Tech. or B.E/B.Tech. in Metallurgical /Chemical /Mineral/ Mining/ Environmental/ Mechanical or its related discipline OR M.Sc./ M.Sc.Tech or equivalent degree. • The candidates must have qualified GATE/CSIR-UGC NET examination.
Desirable Qualification	Experience/knowledge in the relevant fields, specifically in microwave processing, hydrometallurgy, or resource recovery from coal/mineral waste.
Age and Relaxation (if any)	As per the norms of the Govt. of India
Fellowship	Rs. 37,000/- + HRA (as applicable) per month.
Last Date & Time	• Interested candidates should email a single PDF [containing (i) CV (ii) GATE/NET score card (iii) self-attested copies of all mark sheets and certificates from class 10th (iv) proof of work experience (if any)] to PI at rajasekhar@iitism.ac.in by, Aug 31st, 2026. • Candidate should write "Application for the position of JRF under Ministry of Mines Project (SRDP 1352 G)" in the subject of the email.

Shortlisted candidates will be informed about the date of interview via email. Mere possession of minimum qualification does not guarantee an invitation to the interview. Candidates will be shortlisted based on their merit and as per the requirement of the project. Interviews will be conducted offline/online. No TA/DA will be paid to attend the interview.


(Signature of PI)