



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

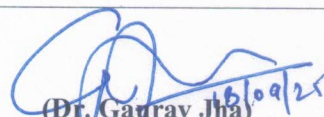
<b>Sanction No and Date:</b> Met4-14/17/2025 & 07/01/2025	<b>IIT (ISM) Project No.</b> SRDP/1175/G	<b>Date: 18.09.2025</b>
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Applications are invited for the **Junior Research Fellow** (one post) position under the Ministry of Mines, Government of India sponsored project.

The details of the project are as follows:

<b>Position</b>	Junior Research Fellow
<b>Number of Position (s)</b>	01
<b>Title of The Project</b>	Development of low cost hydrometallurgical process for beneficiation and extraction of Indium values from Sphalerite ores
<b>Principal Investigator</b>	Dr. Gaurav Jha
<b>Tenure of Project</b>	Two (2) Year or till the completion of the project, whichever is earlier.
<b>Job Description (in a maximum of 100 words)</b>	In this project, Zn ores are treated with pyro/hydro/electro metallurgy to extract critical metals. Following will be the objectives. Fundamental understanding of the mineralogy through sampling, characterization, and liberation characteristics. Development of an intermediate product containing critical metals. Identification of suitable refining practices to develop market-grade products.
<b>Essential Qualification</b>	B.E./B.Tech/M.Tech in Mineral/ Metallurgy/ Chemical/ Mechanical/ Production/ Industrial Engineering with GATE/CSIR-UGC NET. M.Sc./M.Sc. Tech/ Integrated in Chemistry/ Environment Sciences/ Geology/ Applied Geology and in other relevant fields with GATE/ CSIR-UGC NET.
<b>Desirable Qualification</b>	Knowledge of characterization and mineral beneficiation, especially identification of critical minerals and their processing, XRD data interpretation, optical micrographs study, etc., with respect to the context of the project. Knowledge of chemistry of the process, hydrometallurgical processing, purification, and electrowinning is desirable.
<b>Age and Relaxation (if any)</b>	32 years and relaxation as per the government norms
<b>Fellowship</b>	Rs. 37,000 P.M.
<b>Last Date &amp; Time</b>	Interested candidates are required to send the soft copy of the complete bio-data/CV along with the self-attested copies of the educational qualifications, age proof, caste certificate, GATE, NET etc., through email to the Principal Investigator (gauravjha@iitism.ac.in) on or before 31.10.2025. Candidate must write "Application for JRF position for the project No. <b>SNTMOM/1388/2024</b> " in the subject of the email.

Shortlisted candidates will be informed of the date of the interview. Mere possession of minimum qualification does not guarantee an invitation to the interview. Candidates will be short listed based on their merit and as per the requirement of the project. All candidates should make their own arrangements for their stay at Dhanbad if required. No TA/DA will be paid to attend the interview.

  
(Dr. Gaurav Jha)  
Principal Investigator