



## Indian Institute of Technology (Indian School of Mines), Dhanbad

### The Office of Dean, Research & Development

Sanction No and Date: 04.04.2024	<b>IIT (ISM) Project No.:</b> SAIL/2024-2025/1100/CHEMICAL	Date: 23.04.2024
----------------------------------	---	------------------

### JRF Position under SAIL/BSL Sponsored R&D Project

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

<b>Position</b>	Junior Research Fellow (JRF)
<b>Number of Position</b>	JRF: 01 No
<b>Title of the Project</b>	Conversion of Anthracene Oil into High-Temperature Grease (For Phase I)
<b>Principal Investigator</b>	Prof. A. Samanta,, Email: asamanta@iitism.ac.in
<b>Co- Principal Investigator (s)</b>	Prof. Suresh Kumar Yatirajula, Email: suresh@iitism.ac.in Dr. Tapas Kumar Mondal, Email: tapas@iitism.ac.in,
<b>Project Tenure</b>	6 months
<b>Job Description (in maximum of 100 words)</b>	The project aims to develop a bench-scale process technology and associated processes for the conversion of base oil into high-temperature grease. We are seeking a motivated researcher to carry out the synthesis, characterization (physicochemical, rheological, and tribological characterization), and performance testing of the synthesized grease. JRF will also carry out the jobs envisaged for the project research fellow as per the decisions of the investigating team.
<b>Essential Qualification (s)</b>	M.Tech/M.E in Chemical Engineering, <b>OR</b> M.Sc. in Chemistry with first class having cleared the GATE/NET Examination.
<b>Desirable</b>	Basic knowledge of synthesis, characterization, and performance testing using a bench-scale reactor system
<b>Age and relaxation (if any)</b>	The upper age limit is 28 years on the last date of submission of the application (Age relaxation for SC / ST / PH / OBC as per GOI rules).
<b>Fellowship</b>	Consolidated fellowship of Rs. 31000/- per month plus applicable HRA
<b>Date of Walk-In-Interview</b>	<b>06.05.2024; 9.30 AM (Venue: Conference Room of Chemical Engineering Dept.)</b>

The applicants will ensure their eligibility with respect to qualification, experience, age, and other relaxations before applying and appearing for the post of JRF. 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 requirements of the project. Candidates are requested to bring all their original certificates and supporting documents at the time of the interview. The interview will be in offline/online mode. All candidates should make their own arrangements if they have to stay for the next day. No TA/DA will be paid to attend the interview. Shortlisted candidates will be informed about the date of the interview through email. **Interested candidates are requested to send a CV, copies of all degree certificates/mark sheets, age, and a reservation certificate (if any) through email in a single PDF document only to [asamanta@iitism.ac.in](mailto:asamanta@iitism.ac.in) indicating the project number, name of the project, etc. on or before 01.05.2024.**