



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

### The Office of Dean, Research & Development

DST Sanction No and Date: TMD / CERI/ Clean Coal / 2017/07(G) dt. 14.06.2019	<b>IIT (ISM) Project No.:</b> DST(CCORD)241/2019-20/671/ME	Date:03.09.2024
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### JRF and SRF Position under DST Sponsored R&D Project

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

<b>Position</b>	One Junior Research Fellow (JRF) and One Senior Research Fellow (SRF)
<b>Number of Position</b>	JRF: 01 No and SRF: 01 No.
<b>Title of the Project</b>	Investigations into the planning and design aspects governing the selective coal cutting technology using surface miner for various rock conditions for clean coal production
<b>Project Adviser</b>	Prof.V.M.S R. Murthy
<b>Principal Investigator</b>	Prof. L.A.Kumaraswamidhas, email: lakdhas1978@iitism.ac.in
<b>Co- Principal Investigator</b>	Prof. D. Gopi Krishna, Prof. Somnath Chattopadhyaya, Prof. R. K. Sinha
<b>Project Tenure</b>	11 months or co-terminus of the project (i.e., up to 31/07/2025).
<b>Job Description (in maximum of 100 words)</b>	<b>JRF:</b> Laboratory testing of coal and rocks samples, mine visits, lab and field data curation, numerical modelling, report preparation. <b>SRF:</b> Numerical modelling and analysis of cutting drum of surface miner using FEA software, laboratory testing using Rotary Cutting Rig, mine visit, rock sample data collection, presentation, and overall coordination of project.
<b>Essential Qualification (s)</b>	<b>JRF:</b> B.E./B.Tech. in Mining Engineering / Mechanical Engineering / Mining Machinery Engineering with 1 <sup>st</sup> Class having valid GATE score. Or M.E. / M. Tech. in Mining Engineering / Mechanical Engineering / / Mining Machinery Engineering with 1 <sup>st</sup> Class having valid GATE score. <b>SRF:</b> B.E./B.Tech and M.E./M. Tech in Mining Engineering / Mechanical Engineering / / Mining Machinery Engineering with 1 <sup>st</sup> Class having valid GATE score and 2 years of Research/Industrial experience.
<b>Desirable</b>	<b>JRF/SRF:</b> Demonstrated experience in using Mine Planning (Minex Software), Fraglyst, Particle Flow Code (PFC), Numerical modelling and simulation using FEA software and work experience in R&D projects.
<b>Age and relaxation (if any)</b>	The upper age limit is 30 years for JRF, 32 years for SRF on the last date of submission of the application (Age relaxation for SC / ST / PH / OBC as per GOI rules).
<b>Fellowship</b>	<b>JRF:</b> Rs. 37,000/- pm and <b>SRF:</b> Rs. 42,000/- pm (HRA would be applicable only if Hostel accommodation is not provided)
<b>Last Date and Time</b>	<b>15.09.2024; 5.00 PM</b>

Candidates are requested to submit attested copies of all the certificates regarding age, qualification, experience along with their CV in **single PDF file** by Email to [lakdhas1978@iitism.ac.in](mailto:lakdhas1978@iitism.ac.in) indicating the project title and post applied for. Shortlisted candidates will be informed the date of interview. Mode of interview will be online and off-line. 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. No TA/DA will be paid to attend the interview.