



## 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:17.01.2023
--	---	-----------------

### SRF and JRF positions under DST Sponsored R&D Project

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

<b>Positions</b>	One Senior Research Fellow (SRF), Mechanical Engineering and One Junior Research Fellow (JRF), Mining Engineering
<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>Principal Investigator</b>	Prof. V. M. S. R. Murthy, email: vmsrmurthy@iitism.ac.in
<b>Co - Principal Investigator</b>	Prof. L.A.Kumaraswamidhas, email: lakdhas1978@iitism.ac.in
<b>Project Tenure</b>	up to 31.07.2023 or co-terminus with the project, whichever is earlier
<b>Job Description (in maximum of 100 words)</b>	Numerical Modeling and Analysis of cutting drum of surface miner using FEA software, Laboratory Testing using Rotary Cutting Rig, Mine Visits, Lab and Field Data collection, Report Preparation, Presentation, Procurement and overall coordination of project.
<b>Essential Qualification (s)</b>	<b>SRF Mechanical Engineering:</b> B.E./B.Tech. and M.E/M.Tech. in Mechanical Engineering both with first class with 2 years of Research/ Industrial experience having specialization in Machine Design /CAD/CAM /Production/ Manufacturing at PG level. <b>JRF Mining Engineering:</b> B.E/B.Tech in Mining Engineering from IITs / NITs/ CFTI with an OGPA of 8.0 or B.E/B.Tech and M.E/ M.Tech. in Mining Engineering with First class or B.E/B.Tech Mining Engineering with 2 Years of Research/ Industrial Experience.
<b>Desirable</b>	Demonstrated experience in modeling, and simulation using FEA software applicable to machine design for SRF and Mine Planning using software/ Field/ Research experience in Mining/ allied industries for JRF.
<b>Age and relaxation (if any)</b>	The upper age limit is 28 years based on the last date of submission of the application (Age relaxation for SC / ST / PH / OBC as per GOI rules).
<b>Fellowship</b>	SRF @ Rs. 35,000/- + applicable HRA and JRF @ Rs. 31,000/- + applicable HRA.
<b>Date of Interview (Online)</b>	<b>03.02.2023; 10.00 AM (Venue: Conference Room of Department of Mining Engg.)</b>
The applicants will ensure their eligibility in respect of qualification, experience, age and other relaxations before applying and appearing for the online interview. Candidates are requested to submit scanned attested copies of all certificates regarding age, qualification, experience along with their CV by Email to <b>lakdhas1978@iitism.ac.in</b> indicating the project number, name of the project by <b>31.01.2023</b> . The shortlisted candidates will be sent the meeting link by E mail.	