



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

Sanction No and Date: CIL/R&D/01/81/2024	IIT (ISM) Project No. CIL(CMPDI)/2024-2025/1121/MECH	Date 27/03/2026
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Scientific Administrative Assistant/ Field worker under the CMPDI (CIL) Project

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

Position	Scientific Administrative Assistant/ Field Investigator
Number of Position (s)	01 post
Title of The Project	Development of Energy Efficient Ergonomically Designed (EEED) Chair Lift Man Riding System
Principal Investigator	Prof. Ajit Kumar (ajit@iitism.ac.in)
Tenure of Project	Until 30th June 2026 or the completion of field work, whichever is earlier.
Job Description (in a maximum of 100 words)	The candidate will work on the modelling and performance analysis of a proposed energy-efficient hydraulic system for the Chairlift Man-Riding System (CMRS). Responsibilities include system design validation, simulation, and optimization of hydraulic performance under varying operating conditions. The candidate will also conduct experimental investigations on the developed setup to evaluate system efficiency and reliability. In addition, the role involves carrying out field trials at the mine site to assess real-world performance, identify operational challenges, and recommend improvements. Proper documentation, data analysis, and reporting of results in line with project objectives are essential.
Essential Qualification	<ol style="list-style-type: none">1 B. Tech (Mechanical Engineering)2 Minimum 03 years of research/project/field experience in the design, modelling, and analysis of hydraulic systems, along with a sound understanding of mining machinery and their operational aspects.
Desirable Qualification	M.Tech. in Mining Machinery Engineering or M.Tech. in Mechanical Engineering (Machine Design), with a minimum of first class or equivalent grade in both B.Tech. and M.Tech. Preference will be given to candidates having good-quality SCI/SCIE-indexed research publications in the relevant field.
Age and Relaxation (if any)	The upper age limit is 35 years as on April 1 st , 2026. Age relaxation may be considered for suitably qualified and experienced candidates upon recommendation of the selection committee. For SC/ST/OBC candidates, relaxation will be applicable as per Government of India norms, subject to submission of valid certificates issued by authorized government agencies.
Fellowship (per month)	₹ 18,000
Last Date & Time	01/04/2026

Shortlisted candidates will be notified of the interview date in due course. Mere possession of the minimum qualifications does not guarantee an interview invitation. Candidates will be shortlisted based on merit and the project's specific requirements. The interview will be conducted online. Interested and eligible candidates are requested to send their CVs, experience certificates, and mark sheets via email to the Principal Investigator (mail to: ajit@iitism.ac.in) on or before April 1st, 2026.


(Signature of PI)