



INDIAN INSTITUTE OF TECHNOLOGY
KHARAGPUR – 721 302, INDIA
Sponsored Research and Industrial Consultancy

Assistant Registrar

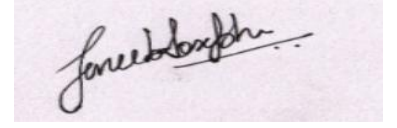
ADVERTISEMENT NO. : IIT/SRIC/R/MRL/2023/102, DATED JANUARY 18, 2024

Applications are invited through online for the following assignment in a purely time bound research project undertaken in the Department of Mining Engineering of this institute.

- Name of the temporary assignment : 1) Junior Research Fellow (Professional) - Research, No. of post: 1.
- Research
- Name of the temporary research project : Thermo-Mechanical Characterization of Rocks under Dynamic Loading
Conditions
(Project Code – R/MRL)
- Dept./Centre/School : 1) Mining Engineering
- PI/Co-PI : Prof./Dr. Sunita Mishra
- Application fee(In Rs.) : 1) Not applicable
- Last date of application : February 08, 2024
- Name of the Sponsoring Agency : Department of Atomic Energy (DAE)(Government of India, Board of Research
in Nuclear Sciences (BRNS), BRNS Secretariat, 316-C, 3rd Floor, CFB,
BARC, Trombay, Mumbai - 400085)
- Consolidated Compensation (per month) : 1) upto 37000
(depending on qualification and experience)
- Qualifications & Experience : 1)
Essential Qualification :
The candidate is expected to perform material characterization of rocks especially high strain rate tests in conjunction with high-speed imaging and acoustic emission techniques. A significant part of the research study involves understanding the temperature effect on high strain rate properties of the rocks and mapping of the structural changes under high loading rate. The candidate expected to go to field for sample collection, stay at outstation research facilities for few months at a stretch and write the reports, high quality conference and journal papers.
- B.Tech, B.E., M.Tech, M.S. with one of the following specializations:
1. Mining Engineering
2. Civil Engineering
3. Mechanical Engineering
Or
4. M.Sc /M.Tech in Geology and Applied Geology
- Qualified and Valid GATE and/or NET Score is required if applying after M.Sc. / B.Tech / B.E.
Additionally, strong knowledge in the area of Solid Mechanics, Rock Mechanics and Structural Geology is desirable.
- Desired Experience :
Software knowledge like ABAQUS, Ansys, LS Dyna, Solid Works is desirable. Additionally, knowing the programming languages like MatLab, C++, Python, etc., will be preferable.
- Age Limit : Upper age limit is 28 years. Relaxable upto 5 years in the case of SC/ST/OBC/Physically Handicapped / Visually Handicapped and female applicant.
- Tenure : 24 Months or the termination of the project, whichever is earlier.
Months or the termination of the project, whichever is earlier.

Note: The qualifications and experience prescribed are the minimum and mere possession of the same does not entitle a candidate to be called for the interview.

Application fee shall be deposited in the following bank account through RTGS/NEFT/NET Banking etc. as under:
1).BANK NAME: STATE BANK OF INDIA(00202);2).BANK ADDRESS: P.O:KHARAGPUR
TECHNOLOGY,DIST:MIDNAPORE;WEST BENGAL-721302;3).NAME OF BANK A/C: IIT SRIC-OM
Account;4).ACCOUNT NO: 39502115210;5).IFSC CODE: SBIN0000202;6).SWIFT CODE: SBININBB339;
The transaction details(UTR No./Transaction ID etc.) should be mentioned in the Application Form.



Assistant Registrar