INDIAN INSTITUTE OF TECHNOLOGY

KHARAGPUR – 721 302, INDIA

Sponsored Research and Industrial Consultancy

ADVERTISEMENT NO. : IIT/SRIC/R/NEW/2026/101, DATED

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

Name of the temporary assignment	:	1) Junior Research Fellow [JRF], No. of post: 1.
Name of the temporary research project	:	NEW PROJECT:New Proposal/Project (Project Code – , Date:01-01-0001)
Dept./Centre/School	:	1) Mining Engineering
PI/Co-PI	:	Prof./Dr. Sunita Mishra
Application fee(In Rs.)	:	General / Male / OBC: 0 , Female : 0, SC/ST: 0
Consolidated Compensation (per month)	:	1) upto 37000 (depending on qualification and experience)
Qualifications & Experience	:	1) Essential Qualification : Essential Qualifications M.Tech in Civil (Structural/Geotechnical), Mechanical (Design/Manufacturing), Mining, Applied Mechanics, or allied engineering disciplines. OR B.Tech in Civil, Mechanical, Mining, Applied Mechanics, or allied engineering disciplines with a valid GATE score. Candidates from CFTIs with a CGPA above 8.0 may be exempted from the GATE requirement as per institute norms. Desired Experience : Project Description and Scope of Work This NSTLDRDO-funded research project of high national and strategic importance focuses on the characterization of materials subjected to underwater explosive loading. A strong foundation in Solid Mechanics is essential. The selected candidate will conduct high strain-rate experiments on different grades of steel at IIT Kharagpur and participate in full-field Explosive Bulge Tests (EBT) at NSTL. The research will provide hands-on exposure to advanced experimental techniques, including Split Hopkinson Pressure Bar (SHPB) testing, Digital Image Correlation (DIC), Acoustic Emission (AE), high-speed imaging, constitutive modelling, and advanced numerical simulations. This is a rare opportunity to work on cutting-edge defence research, gain experience with specialized experimental facilities, and contribute to a nationally significant research programme in collaboration with DRDO. Age Limit : 30 years. Age rules may be relaxed upon fulfilling sponsor agency rules if any. Tenure : 24 Months or the termination of the project, whichever is earlier.

Note:1. 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.
2. Age as on last date of advertisement.

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.