



INDIAN INSTITUTE OF TECHNOLOGY

KHARAGPUR – 721 302, INDIA

Sponsored Research and Industrial Consultancy

Mr. Rajarshi Banerjee

Administrative Officer (Projects)

ADVERTISEMENT NO. : IIT/SRIC/R/AEH/2026/112, DATED August 26,2026

Applications are invited on plain paper for the following assignment in a purely time bound research project undertaken in the Department of Mining Engineering of this institute for a period of one year from the date of joining with a provision of extension for a maximum period up to four years or termination of the project, whichever is earlier, based on performance.

- | | | |
|---|---|--|
| 1. Name of the temporary assignment | : | 1) Junior Research Fellow (JRF) 1 post/s |
| 2. Name of the temporary research project | : | An AI Enabled Platform for Diagnosis Prognosis and Health Management of Mining Electrical Systems: A Case Study on the Drag Line
(Project Code – R/AEH) |
| 3. Name of the Sponsoring Agency | : | CENTRAL MINE PLANNING AND DESIGN INSTITUTE LIMITED CMPDI |
| 4. Consolidated Compensation (per month) | : | 1) Rs. 37000 /-
(depending on qualification and experience) |

5. Qualifications & Experience :

1) Rs. Post Graduate Degree in Basic Science OR Graduate / Post Graduate Degree in Professional Course selected through a process described through any one of the following:

a. Scholars who are selected through National Eligibility Tests - CSIR-UGC NET including lectureship (Assistant Professorship) and GATE.

b. The selection process through National level examinations conducted by Central Government Departments and their Agencies and Institutions such as DST, DBT, DAE, DOS, DRDO, MoE, ICAR, ICMR, IIT, IISc, IISER, NISER etc. M.Tech / M.E. in Civil, Mechanical, Mining or Applied Mechanics Engineering.

OR

B.Tech with a valid GATE score or B.Tech with a high CGPA from an institute of good NIRF rank. GATE score is a must. For candidates from NIT and IIT with CGPA greater than 8.0 the GATE score may be waived.

Strongly Desired:

Knowledge in Solid Mechanics and experience with experimental or computational techniques related to stress-strain analysis. Candidates are required to work on concepts of fracture mechanics, structural health monitoring, FEM-based numerical simulations, high-speed imaging analysis, and mathematical models. /-

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.

(Rajarshi Banerjee)