

DEPARTMENT OF MECHANICAL ENGINEERING

**Advertisement for the post of Junior Research Fellow
(JRF) / Project Associate I / Research Assistant etc.**

Applications are invited from Indian nationals for the position of **Junior Research Fellow (JRF) / Project Associate-I (PA-I)** in a SERB-funded research project with the following details:

Name of the project	Development of abrasion-resistant electroless Ni-B-W coating on cyclone separator walls and design optimization for longevity with enhanced performance
Principal Investigator (PI) Along with E-mail ID	Dr. Lakhbir Singh Brar, Assistant Professor, Mechanical Engineering Department, BIT Mesra, Ranchi – 835215. E-mail id: brarls@bitmesra.ac.in
Details of Co-PI	1. Dr. Om Prakash, Assistant Professor, Mechanical Engineering Department, BIT Mesra, Ranchi-835215. 2. Dr. Arkadeb Mukhopadhyay, Assistant Professor, Mechanical Engineering Department, BIT Mesra, Ranchi – 835215.
Duration of the project	03 Years
Number of Positions	01
Essential qualifications:	For JRF: M.Tech./M.E. in Mechanical/Design/Applied Mechanics or any specialization in Mechanical Engineering with a B.Tech./B.E. in Mechanical Engineering from a recognized Institute/University with qualified CSIR-UGC NET including Lectureship or GATE or qualified through National Examination of Government Departments and Agencies. For PA-I: M.Tech./M.E. in Mechanical/ Design/Applied Mechanics or any specialization in Mechanical Engineering with a B.Tech./B.E. in Mechanical Engineering from a recognized Institute/ University.
Desirable	Preference will be given to candidates who have qualified GATE and work experience relevant to the project topic (especially in Ansys Fluent/Star CCM+ and MATLAB). A basic understanding of C programming language and knowledge of erosion-based theories would be an asset.
Fellowship	For JRF: Rs. 37,000 + 16% HRA for the first two years and for the third year Rs. 42,000 + 16% HRA for those who have qualified CSIR-UGC NET including Lectureship or GATE or qualified through National Examination of Government Departments and Agencies. For PA-I: Rs. 25,000/- + 16% HRA per month for the first two years and Rs. 28,000 + 16% per month HRA for the third year.
Interview Date	29.07.2024

- **How to apply:** Interested candidates are requested to send their CVs and photographs together with experience and qualifications (**in a single pdf file**) to brarls@bitmesra.ac.in, and omprakash@bitmesra.ac.in, with a copy to dr.aac@bitmesra.ac.in **before 23.07.2024**. The CV must include the mail ID and working phone number.
- The candidates will be shortlisted for online/offline interviews based on their academic and professional background and will be intimated through email stating the date and time for the interview.
- **Terms and Conditions:**
 - i) The decision of the selection committee will be final.
 - ii) The candidate's appointment will be governed by the terms and conditions of the Institute/ funding agency particularly applicable to the said project as and when required.
 - iii) The post is purely temporary in nature and subject to the availability of funds.
 - iv) No TA/DA will be paid to attend the interview.

Sandip Datta
08/07/2024
Registrar