



## Maulana Azad National Institute of Technology Bhopal 462003

Department of Materials & Metallurgical Engineering

**Date:** 17-06-2022

### Advertisement Notice

Applications are invited from the Indian nationals, giving full details of educational qualifications and experience, for Junior Research Fellow (JRF) in research project entitled “Investigation into direct reduction of alumina and red mud by hydrogen plasma for production of metal values” funded by SERB, India under the guidance of Dr. Kali Charan Sabat (Principal Investigator), Department of Materials and Metallurgical Engineering, MANIT, Bhopal – 462003. The post is purely temporary, co-terminus with project. The details can be seen on the Institute website ([www.manit.ac.in](http://www.manit.ac.in)). **Hard copies** of application along with all enclosures should reach to PI by **18-07-2022**. Applications lacking certificates in support of claims made by candidate will be rejected. **Applications by email will not be entertained and will be treated as rejected.**

**Dr. Kali Charan Sabat**  
**Principal Investigator**



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### Advertisement

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**Name of Post:** Junior Research Fellow (JRF)

**No. of Post:** 01

**Emoluments:** Rs. 31000/- per month + HRA as (As per applicable by the funding agency).

#### **Essential Qualification:**


M. Tech in Metallurgy/Materials/Mechanical Engineering from Reputed Institutes or Universities

**Desirable Qualification:** GATE qualified

We are looking for fully devoted scientific manpower for the research project. The work will involve development of hydrogen plasma setup, procurement, and processing of red mud from aluminum industry, plasma characterization, raw material, and product analysis, data collection, analysis and report writing. Preference will be given to the candidates having working experience in the field of electric arc furnace, plasma, modeling and simulation of plasma, material characterization by chemical analysis, XRD, SEM, optical microstructure and etc.

Selected candidate will be encouraged to make efforts to register for PhD programme in the institute and follow institutional norms. The candidates should apply in the prescribed format available on the Institute website ([www.manit.ac.in](http://www.manit.ac.in)) on or before **18-07-2022**, along with self-attested photocopies of the relevant certificates. If any of the important information provided in the application form is not supported by certificates, application will be rejected. Applications should reach to the following address: **Dr. Kali Charan Sabat, Assistant Professor, Department of Materials & Metallurgical Engineering, MANIT, Bhopal – 462003, Madhya Pradesh, India.** Call letters will be e-mailed to the respective email id after scrutiny of each application. No hard copy of call letter will be sent to the candidate. The appointment will be purely on contract/temporary basis, the post have been created for the execution of the research project and selected candidates shall not be an employee of MANIT and no claim of any benefit on that account. Appointment may be terminated at any time if performance is not satisfactory by the PI.

|   |  |
|---|--|
| Last date for submission of complete application form | <b>18-07-2022</b>                                      |
| Interview Date  | Will be notified to eligible candidates through e-mail |
| Declaration of result                                 | Will be notified to selected candidate through e-mail  |

  
**Dr. Kali Charan Sabat**  
**Principal Investigator**



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**12. GATE/NET qualified score/percentile/mark:**

**13. Details of Previous Experience:**

| <b>S. No.</b> | <b>Name of Employer with address</b> | <b>Salary drawn</b> | <b>Period of service</b> | <b>Nature of Duties</b> |
|---------------|--------------------------------------|---------------------|--------------------------|-------------------------|
|               |                                      |                     |                          |                         |
|               |                                      |                     |                          |                         |

If selected, minimum time required to join the post in \_\_\_\_\_ days.

**14. References (Minimum Two), Name, Designation, Institute address, Mobile/Tel No. and E-mail id.**

1. \_\_\_\_\_ 2. \_\_\_\_\_  
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**15. Statement of purpose (200 words):**

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**16. Any other relevant information**

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**Declaration**

I affirm that the information given in this application is true and correct. I also fully understand that if at any stage, it is discovered that an attempt has been made by me to willfully conceal or misrepresent the facts, my candidature may be summarily rejected or my employment terminated.

**Candidate Signature**  
**Candidate Name**