



Date: 04-06-2024

Advertisement for JRF Position in DRDO-CoE Sponsored Project

Applications are invited for the post of **Junior Research Fellow (JRF)** in a Defense Research and Development Organization (DRDO), Government of India, sponsored project, under DIA-CoE IIT(BHU) Varanasi, titled **Development and assessment of printability of indigenous Additive Manufacturing (AM) grade metal and alloy powders (Group 2: Refractory High Entropy Alloys, PI: Dr. Subhasis Sinha)**, sanctioned for a total duration of 4 years. The post is purely temporary and co-terminus with the project.

Name of Position	Junior Research Fellow
Number of Positions	01
Duration of the Position	Initially for 1 year but extendable up to 3 more years or the duration of the project whichever is earlier based on the performance
Emoluments	Rs. 37000/- for 1 st and 2 nd year and Rs. 42000/- for 3 rd and 4 th Year. (HRA as per GOI norms will be additional)
Educational Qualification	Essential qualifications: Graduate degree (B.E./B. Tech) in Metallurgy/Material Science/ Mechanical Engineering graduated in First Division with GATE/NET qualification Or Postgraduate degree (M.E./M.Tech/MS.) in Metallurgy/Material Science/ Mechanical Engineering in First Division, both at graduate and postgraduate level. Desirable qualifications: 1) Knowledge and research experience in refractory high entropy alloys 2) Knowledge of characterization techniques such as XRD, SEM, TEM, etc. 3) Work experience in powder metallurgy/powder manufacturing 4) Knowledge of ThermoCalc software and any prior experience in CAD modelling, CFD, multiphase modelling in OpenFOAM, FE analysis, etc. 5) Any prior research experience in metal additive manufacturing <i>Preference will be given to candidates with above mentioned qualifications.</i>
Age Limit	As per Government of India norms.
Last date of application	Applicants should apply within 21 days from the date of Advertisement.

Note: The candidate may have the chance to pursue a Ph.D. in Metallurgical Engineering while serving as a Junior Research Fellow (JRF) in the Metallurgical Engineering Department at IIT (BHU), Varanasi.

Application procedure: Interested candidates are requested to submit their applications in the prescribed format as attached, along with self-attested copies of all mark-sheets & certificates and details of any





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INSTITUTE OF
TECHNOLOGY
BANARAS HINDU UNIVERSITY

Established by Parliament Notification No.34 of 2012

Dr. Subhasis Sinha, Assistant Professor, Dept. of Metallurgical Engineering, IIT(BHU), Varanasi – 221005
☎ 0542-7165646 (O), +916289539931/+919651599313 (M), Email: ssinha.met@iitbhu.ac.in

research or other experience, etc., (**in a single PDF file**), to email id ssinha.met@iitbhu.ac.in within 21 days of this advertisement. No need to send the hard copy.

Interview procedure: Short-listed candidates will be called for an interview in physical mode. The date and time of interview will be communicated via e-mail well in advance. For queries, please contact Dr. Subhasis Sinha, via email: ssinha.met@iitbhu.ac.in

Note:

1. The PI has the discretion to restrict the number of candidates to be called for an interview to a reasonable limit based on qualifications and experience higher than the minimum prescribed in the advertisement.
2. PI reserves the right to only fill the position if a suitable candidate is found.
3. Only shortlisted candidates will be called for an interview. Candidates called for the interview should bring the original certificates/degrees for verification.
4. The date of the interview will be communicated via email. **No TA/DA will be paid if called for an interview.**
5. The candidate is expected to join immediately if selected.



भारतीय प्रौद्योगिकी संस्थान(का.हि.वि.) वाराणसी – 221005 भारत

Indian Institute of Technology(BHU) Varanasi-221005 India





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APPLICATION FOR THE POSITION OF JUNIOR RESEARCH FELLOW

1. Full Name:
2. Date of Birth:
3. Sex: M/F
4. Category: GEN/SC/ST/OBC
5. Marital Status:
6. Nationality:
7. Physically handicapped: Y / N
8. Names of Father and Mother:
9. Address of Correspondence (including phone No):
10. E-mail Address:
11. Academic Record: (a) GATE/ CSIR - NET qualification details with percent marks/Rank, year of qualifying, etc. (if any):
(b) Qualifying Degree (starting from High School or equivalent):

PHOTO

Examination with Specialization	Name of School, College, University/Institute with city and state	Year of passing	Subjects	Percentage of marks/GPA obtained	Distinction/ Division

12. Details of the project carried out (if any) with duration, place of work, area worked on, mentor/guide's name, description of the project and contribution to the project (not more than 5 sentences), and publication details (if any):
13. Working experience (if any):
14. Whether currently employed:
15. Time required to join this position:
16. Names and addresses of two referees along with phone number and e-mail address:

Declaration:

I hereby declare that I have carefully read and understood the instructions and particulars on this application and that all entries in this form as well as in the attached sheets are true to the best of my knowledge and belief.

Date:

Signature:

Place:





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Application Instructions:

1. All original certificates need to be presented before the interview for verification.
2. The self-attested copies of all the relevant certificates/documents need to be submitted during the application (in soft copies).
3. Mode of Interview: Shortlisted candidates will receive details via email.
4. For further clarification regarding the application process, the candidate may contact the PI over the email: ssinha.met@iitbhu.ac.in
5. The application should be according to the attached format.



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