

Advertisement for the Junior Research Fellow (JRF)

Applications are invited from Indian nationals for the following position in the research project entitled “**Development of catalytic integrated air-steam gasifier for the gasification of agriculture waste and valorization of gasifier fly ash on concrete work**” for a period of 3 years, sponsored by the Department of Science & Technology (Technology Development Transfer), Government of India, New Delhi, (DST/TDT/TDP-25).

Name of the Position	Junior Research Fellow (JRF)
Number of Position(s)	One (01)
Duration of the Position	Initially for one year but extendable up to 3 years or the duration of the project whichever is earlier.
Emoluments	Rs. 37,000 + HRA @ 18 % per month
Educational Qualification & Experience	(i) B.Tech or equivalent degree in Mechanical/Chemical Engineering/Chemical Technology/ Allied areas with valid GATE Score in Mechanical/Chemical Engineering. The candidate should have a minimum of 75 % marks or 7.5 CPI (on a 10.0 scale) at the bachelor’s degree level. Or (i) M.Tech. or equivalent degree in Mechanical Engineering/Chemical Engineering /Chemical Technology/Civil Engineering/ Allied areas with GATE Score in Mechanical Engineering/Chemical Engineering. The candidate should have a minimum of 60 % marks or 6.0 CPI (on a 10.0 scale) at the master’s degree level. (ii) Candidates with expertise in the area of: <ul style="list-style-type: none">• Gasification/Chemical Kinetics/Heat transfer/ Internal combustion engine/conducting biofuel generation, concrete work will be preferred.• Knowledge of software like FLUENT, CFD, ASPEN PLUS, RSM, and conduction simulation coding and optimization will be preferred.
Age	Should not exceed 28 years as on the last date of the application. Age relaxation of 5 years is applicable for Female/SC/ST/ Physically Handicapped Candidate.
Last date of receiving application	December 15, 2023

General Terms and Conditions:

1. The position is purely temporary and is coterminous with the project.
2. The PI has the discretion to restrict the number of candidates to be called for interview to a reasonable limit on the basis of qualifications and experience higher than the minimum prescribed in the advertisement.
3. Only shortlisted candidates will be communicated to appear in the interview and no other communications in this regard will be entertained.
4. Original certificates and self-attested copies of all certificates need to be presented before the interview for verification
5. The candidate is expected to join immediately, if selected.
6. No TA/DA will be paid for attending the interview.
7. **Venue of Interview:** Department of Mechanical Engineering, IIT (BHU), Varanasi- 221005. Contact no: +91-9648126644, E-mail: jytirkey.mec@itbhu.ac.in

Interested candidates are requested to send their applications on a plain paper **AS PER THE BELOW GIVEN FORMAT via email** to the Principal Investigator Dr. J.V.Tirkey at jvtirkey.mec@iitbhu.ac.in. Please write “**Application for JRF**” in the subject line of the email (MANDATORY).

(Dr.J.V.Tirkey)

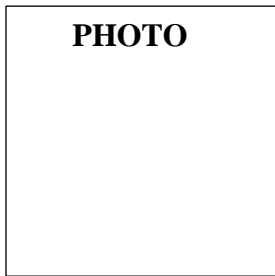
Principal Investigator

Associate Professor

Department of Mechanical Engineering IIT (BHU), Varanasi-221005

APPLICATION FOR JRF POSITION

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. Father’s Name:
9. Mother’s Name:
10. Address of Correspondence:
 - a. Phone No.:
 - b. Mobile No.:
 - c. E-mail Address:
11. Permanent address:
12. Academic Record:
 - a. GATE/GPAT/CSIR-NET or equivalent examination details with Percent marks/Rank, year of qualifying etc.
 - b. Qualifying Degree:



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

- c. Details of the project carried out with duration, place of work, area worked on, mentor/guide's name, description of the project and contribution to the project (in not more than 5 sentences)
- d. **Attach list of publications** (Only International) with a clear mention of impact factor (if any):
- e. Working experience (if any):
- f. Whether currently employed: Y/N
- g. Time required to join this position:

13. Names and addresses of two referees along with phone number and e-mail addresses.

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:

Place:

Signature