



शिक्षा मंत्रालय, भारत सरकार के अधीन एक राष्ट्रीय महत्व का संस्थान

An Institute of National Importance under Ministry of Education (Shiksha Mantralaya), Govt. of India

Advertisement for the Post of Junior Research Fellow (JRF)

funded by ANRF, Government of India

Energy Centre

Applications are invited from Indian nationals for the post of **Junior Research Fellow (JRF)** to work in a research project entitled “**Development and Field Testing of Solar-Integrated Portable Mobile Milk Chiller with Latent Storage System (PMC-LSS)**”, sanction order no. **ANRF/IRG/2024/000621/ENS** dated 05 March 2025 from the IRG Scheme funded by **Science and Engineering Research (SERB), DST, Govt. of India**, under the supervision of **Dr. Ravindra D. Jilte (PI)**, Associate Professor, Energy Centre, MANIT Bhopal

Details of the position:

Name of Position	Junior Research Fellow (JRF)
Essential Qualification	First class with not less than 60% aggregate / 6.5 CGPA (on a 10-point scale) in B. Tech./B.E. in Chemical Engineering / Energy Engineering/ Mechanical Engineering/ Materials Science/ Metallurgical Engineering/Electrical Engineering/Biotechnology and allied disciplines and First class with not less than 60% aggregate / 6.5 CGPA (on a 10 point scale) in M.Tech in relevant disciplines. or B. Tech/B.E. in Chemical Engineering/Metallurgy/Materials science/Electrical Engineering/Mechanical Engineering/Energy Engineering/Biotechnology and allied disciplines with at least a CGPA of 7.5/10 or 70% of marks or First class with not less than 60% aggregate / 6.5 CGPA (on a 10-point scale) M.Sc. Biotechnology/Agriculture and allied disciplines
Age Limit	30 years
Age Relaxation	Upper age is relaxable up to 5 years for SC/ST/OBC/Women and Physically handicapped candidates.
Desirable	NET/Gate Qualification
Project area	Experimental Heat Transfer, Phase Change Material, Solar PV integration, Energy Storage, Ansys CFD
Duration of Project	3 Years
No. of Positions	01

Emoluments	First 2 Years: ₹ 37000/- (Thirty-Seven Thousand Only) per month + 16% HRA (₹ 5920/). Total ₹42920/- per month Third year: ₹ 42000/- (Thirty-Seven Thousand Only) per month + 16% HRA (₹ 6720/). Total ₹48720/- per month
Nature of Appointment	Initially for 01 year, further extendable upto 03 years based on satisfactory work & conduct of the project.
Last Date	31st May 2025
Selection Procedure	The selection process will be based on an interview Offline/Online through web-based video conference over the internet. The appointment will be purely on a contract basis, the post has been created for the execution of the research project, and selected candidates shall not be an employee and should not have any claim of any benefit on that account.
Interview	Shortlisted candidates will be informed of the Interview through email
Mode of Interview	Offline/Online through web-based video conference over the internet.
Other Benefits	The selected candidates are eligible to register for a PhD degree at MANIT Bhopal as per the Institute's norms.
Terms and Conditions	<ul style="list-style-type: none"> • The candidates should fill the application form in the prescribed format available on the institute website (www.manit.ac.in). Advance copy of application form along with resume and attested photocopies of the relevant certificates/documents from the 10th standard onwards must be emailed to ravindraaj@manit.ac.in. • For more details, please contact Project Investigator: Dr. Ravindra Jilte on Email: ravindraaj@manit.ac.in or mobile: 9115511973 • Candidates appearing in-person should bring the print out of application form with original and self-attested copies of all supporting documents at the time of interview. • No TA/DA will be paid to attend the interview. • Candidates will be informed by email about the written/interview date. So, candidate must provide valid-email ids in their applications. • The applicant will be responsible for the authenticity of information other documents and photographs submitted. • The institute reserves the right to accept application at any time and consider candidates of exceptional credentials without applications. Qualification and experience may be relaxed by the institute at any point of time for otherwise exceptional candidates. • Mere, possessing the prescribed qualification does not ensure that the candidate would be called for interview.

Dr. Ravindra Jilte
PI & Associate Professor
Energy Centre, MANIT Bhopal



शिक्षा मंत्रालय, भारत सरकार के अधीन एक राष्ट्रीय महत्व का संस्थान
An Institute of National Importance under Ministry of Education (Shiksha Mantralaya), Govt. of India

Application for the post of JRF for Research project on

“Development and Field Testing of Solar-Integrated Portable Mobile Milk Chiller with Latent Storage System (PMC-LSS)”

APPLICATION FORM

1. Name of the Applicant: _____
2. Gender: _____
3. Date of Birth (DD/MM/YYYY): _____
4. Marital Status: _____
5. Category (Gen/EWS/OBC/SC/ST): _____
6. Present Address: _____

7. Permanent Address: _____

8. Email ID : _____
9. Mobile Number: _____
10. Details of academic record starting from SECONDARY (Class X) examination:

Affix latest
colour Passport
size
Photograph her
(self-attested)

Degree / Exam (with discipline)	University / College Board	Year of Passing	Percentage of Marks / CGPA	Subjects Taken
Class X				
Class XI				
B.Tech/B.E.				
M.Tech/M.E.				
PhD if any				
Others if any				



शिक्षा मंत्रालय, भारत सरकार के अधीन एक राष्ट्रीय महत्व का संस्थान
An Institute of National Importance under Ministry of Education (Shiksha Mantralaya), Govt. of India

11. Score / percentile details of UGC / CSIR NET / GATE / Other examinations:

Examination Name	Registration Number	Score		Rank	Qualifying Year / Month
		Percentage	Percentile		

12. Any other fellowship / scholarship / qualifications obtained other than covered in the form?
If Yes, please mention the details.

- a) _____
- b) _____
- c) _____

13. Research / Industrial experience in form of summer trainee, project (please provide details):

- a) _____
- b) _____
- c) _____

14. Any other detail you want to provide to assess your candidature, please provide the same.

15. Details of two referees under whom the candidate has worked or studied.

Referee 1

Name: _____

Designation: _____

University / Institute: _____

E-mail ID: _____ Phone No.: _____

Referee 2

Name: _____

Designation: _____

University / Institute: _____

E-mail ID: _____ Phone No.: _____



शिक्षा मंत्रालय, भारत सरकार के अधीन एक राष्ट्रीय महत्व का संस्थान
An Institute of National Importance under Ministry of Education (Shiksha Mantralaya), Govt. of India

I agree with the following terms and conditions:

- No TA/DA will be paid to attend the interview.
- The above position is purely temporary and contract basis and co-terminus at any time from the project without any notification.
- Continuation will depend on the satisfaction of research performance.
- If selected, I will not be permitted to claim for any regular/part time appointments in the institute. • Canvassing in any form will disqualify my candidature.

The filled-in application form, curriculum vitae, and a set photocopy of the relevant documents are attached along with this form.

DECLARATION BY THE APPLICANT

I hereby certify that the information furnished above are correct and complete. I am aware that if any information provided here is found to be incorrect; my candidature / selection is liable to be cancelled.

Date : ____/____/____

Place : _____

Signature of the Applicant