NATIONAL INSTITUTE OF TECHNOLOGY WARANGAL

ADVERTISEMENT FOR THE SELECTION OF JUNIOR RESEARCH FELLOW (Form – E-3)

Advertisement for JRF recruitment under a research project

Project title	Utilization of Low-Grade Cerium Oxide Derived from Critical Mineral Waste for Development of Multifunctional Insulation Coatings	
Sponsoring agency	MAHA Critical minerals – ANRF	
Position title	Junior Research Fellow (JRF)	
Duration (in years)	**3 years**	
Number of position(s)	1	
Essential qualification	B.E./ B. Tech equivalent degree in Chemical Engineering / Mechanical Engineering / Biotech/Civil/Food/Textile/Metallurgy/Petrochemical/Nanotechnology/Energy/Environmental/Polymer engineering/Chemical Technology **and** ME/M. Tech/M.S in Chemical Engineering / Mechanical / Energy Engineering / Nanotechnology / Biotech/Civil/Environmental Engineering and allied areas Or M.Sc. in Chemistry/Physics/Environmental Science/ Materials Science/ Nanoscience and Nanotechnology or equivalent Or B. Tech. in Engineering with materials related specialization such as Materials Science/ Metallurgy/ Nanoscience and Nanotechnology/ Ceramic Engineering/ Surface Engineering or equivalent with minimum of 70% aggregate marks or 7.5 CGPA in UG (wherever applicable). The Candidate with GATE/NET qualification will be given preference. Those who do not have GATE or NET need to appear National Level Examination conducted by the Institute for Ph.D. admission. Experience in wastewater treatment will be preferred	
Age limit	JRF – 30	
Age relaxation	Upto 5 years can be relaxed for SC/ST/OBC/Women and Physically handicapped candidates.	
Desired qualifications	**Candidates with experience** in material synthesis, water treatment, membrane preparation related areas with knowledge in characterization and analysis, fabrication and project management	
Emoluments	First 2 years: ₹37,000/month + HRA From 3rd year: ₹42,000/month + HRA	
HRA/ Accommodation	HRA as per institute rules. The selected candidate is also eligible for on-campus Hostel & Mess facilities, subject to availability.	
Job nature	The selected candidates need to work on synthesis of nanoparticles, coatings	
Other benefits	The selected candidates may register for PhD as per institute rules. However, s(he) needs to apply for PhD position when the advertisement is open.	
How to apply?	Complete and send to an email to anjana@nitw.ac.in, shirish@nitw.ac.in Subject line for JRF: Application for JRF position under MAHA critical mineral ANRF project (MAHA Critical : Water treatment)	
Submission mode	Soft copy / Email	
Last date to apply	27/11/2026	
Whom to contact?	Prof. Anjana P A Principle Investigator Department of Chemical Engineering National Institute of Technology Warangal Telangana State, India	Prof. Shirish H. Sonawane Co-Principle Investigator Department of Chemical Engineering National Institute of Technology Warangal Telangana State, India
Contact Email ID	anjana@nitw.ac.in, shirish@nitw.ac.in	

Please note:

- The position is purely temporary
- Please enclose a brief resume/ curriculum vitae/ bio-data along with the applications form
- List of eligible candidates will be announced on the institute website and also intimated through email or phone.
- Shortlisted candidate will have to attend an interview (ONLINE/OFFLINE)
- If Interview need to be conducted online, candidates are expected to have good internet connection
- No TA/DA will be paid for attending interview

APPLICATION FOR THE POSITION OF JRF POSITION UNDER MAHA-EV-ANRF PROJECT

Advt. No. NITW/2025/Ch.E/SHS-SV-AVV/MAHAEVANRF dated 01/07/2025

(Please enclose a copy of bio-data/ resume/ curriculum-vitae)

1. **Name of the candidate**
2. **Father's name**
3. **Date of birth (DD/MM/YYYY)**
4. **Sex** Male/ Female
5. **Marital status** Single/ married
6. **Category** OC/OBC/SC/ST
7. **Educational qualifications**

Degree	Specialization/ subjects	Board/ University	Year of passing	Class	Percentage/ CGPA
SSC					
Intermediate					
B.Sc./ B.E./B.Tech					
M.Sc./ M.Tech.					

8. GATE/ NET/ ICMR/ DBT-SRF score earned/ qualified

Score	Year appeared	Score	All India rank
GATE/ NET/ mention			

9. Research/Industrial/Teaching experience

S.No.	Organisation/ industry served	Date/ Month of entry	Date/ Month of leaving	Months/ Years of experience

10. **Publications/ conference participations**
11. **Any other relevant information**
12. **Contact email and phone number**

Declaration

I …… hereby declare that all statements made in this application are true, complete and correct to the best of my knowledge and belief. In the event of the information being found false or incorrect or any ineligibility being detected before or after the selection, my candidature is liable to be cancelled. I confirm, that I am available for ONLINE interview, if necessary.

Date: Signature of the candidate