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	Development of Metal-Organic Framework for Nitrogen-Oxygen Adsorption at Low Temperature and Pressure
Sponsoring agency	DRDO-CARS
Position title	Junior Research Fellow (JRF)
Duration (in years)	**18 Months**
Number of position(s)	1
Essential qualification	B.E./ B. Tech equivalent degree in Chemical Engineering / Mechanical Engineering/Biotech/Civil/Metallurgy/Petrochemical/Nanotechnology/ Energy/Environmental/Polymer engineering/Chemical Technology/Material Science **and** ME/M. Tech/ M.S in Chemical Engineering / Mechanical / Energy Engineering / Nanotechnology / Biotech/Civil/Environmental Engineering and allied areas with a minimum of 60% aggregate marks or 6.5 CGPA at both UG and PG Or M.Sc. in Chemistry/Physics/Environmental Science/ Materials Science/ Nanoscience and Nanotechnology or equivalent with a minimum of 60% aggregate marks or 6.5 CGPA at both UG and PG Or B. Tech. in Engineering with materials related specialization such as Chemical Engineering/ Materials Science/ Metallurgy/ Nanoscience and Nanotechnology 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 for National Level Examination conducted by the Institute for Ph.D. admission.
Education Qualification Relaxation	5% aggregate marks or 0.5 CGPA relaxation will be given for both UG and PG under SC/ ST/ PwD category.
Age limit	30 Years
Age relaxation	Up to 5 years can be relaxed for SC/ST/OBC/Women and Physically handicapped candidates.
Desired qualifications	Candidates with experience in material synthesis, Gas Adsorption, MOF synthesis, membrane preparation related areas with knowledge in characterization and analysis, fabrication and project management
Emoluments	Consolidated **INR 45000 per month**
Accommodation	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 MOF materials, characterization studies, Binary gas mixture adsorption and computational studies
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?	The completed application form (i.e. on page 3) along with latest CV/Resume should send to an email murali@nitw.ac.in; phanikumar@nitw.ac.in **Subject line of email**: Application for JRF position under DRDO-CARS project
Submission mode	Soft copy / Email
Last date to apply	29/11/2026

Whom to contact?	Dr. Murali Mohan Seepana Principle Investigator Department of Chemical Engineering National Institute of Technology Warangal Telangana State, India	Dr. Phani Kumar Pentyala Co-Principle Investigator Department of Chemical Engineering National Institute of Technology Warangal Telangana State, India
Contact Email ID	murali@nitw.ac.in; phanikumar@nitw.ac.in	

Please note:

- The position is purely temporary
- Please enclose a brief resume/ curriculum vitae/ biodata along with the applications form
- List of eligible candidates will be announced on the institute website and intimated through email.
- 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 DRDO-CARS PROJECT

Advt. No. NITW/2026/CH/SMM-PKP/CARS-DRDO dated 09/11/2026

(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