

**INDIAN INSTITUTE OF TECHNOLOGY ROORKEE
DEPARTMENT OF CHEMICAL ENGINEERING**

Dated-16/01/2026

ADVERTISEMENT TO FILL UP PROJECT POSITIONS*

Applications are invited from Indian nationals only for project position(s) as per the details given below for the consultancy/research project(s) under the joint supervision of Prof. K. K. Pant and Dr. Komal Tripathi, Department of Chemical Engineering, Indian Institute of Technology Roorkee.

1. **Title of project-** Development of a process for selective conversion of carbon dioxide (CO₂) to lower olefins (ethylene, propylene, and butylene).
2. **Sponsor of the project:** Indian Oil Corporation Limited (IOCL)
3. **Project position(s) and number-** Junior Research Fellow (JRF); 01 (one)
4. **Qualifications-** CSIR/UGC-NET/GATE qualified M.Tech./M.E. or equivalent in Chemical Engineering/Chemical Technology/Allied disciplines in Engineering and Sciences. B.Tech./B.E. in the above disciplines with a minimum CGPA of 8.0/10 graduated from a Centrally Funded Technical Institute (CFTI) with valid GATE score are also eligible. CSIR/UGC-NET/GATE score should not be more than 5 years old.
5. **Emoluments-**

Sl. No.	Item	Rates
1.	Current fellowship rates payable by IOCL per month	JRF: Rs 31,000/- + HRA for initial two years (per month per candidate) SRF: Rs 35,000/- + HRA for the next three years (per month per candidate)
2.	Additional 25% Fellowship	JRF as above + Rs 7,750/- (per month per candidate) SRF as above + Rs 8,750/- (per month per candidate)
3.	Contingency Grant	Rs 20,000/- (Twenty Thousand only) per year per candidate

Selected candidates shall be considered as IOIITR Research Fellows. They shall receive 25% higher emoluments with respect to a JRF/SRF candidate for a period of up to 5 years or completion of Ph.D., whichever is earlier.

6. **Duration-** Maximum 5 years
7. **Job Description-** Catalyst synthesis, catalyst characterization, catalytic performance evaluation, and micro-kinetic modeling.

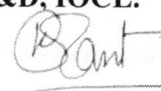
/s/ *[Signature]*
16/01/2026

contd. 2/-

1. The candidates who are interested to apply for the above post should submit the complete information regarding educational qualifications indicating **percentage of marks/division, details of work experience etc. by e-mail with advertisement No. on the subject line** to Prof. K. K. Pant and Prof. Komal Tripathi at email ID: kkpant@ch.iitr.ac.in, komal.tripathi@ch.iitr.ac.in
2. Only short-listed candidates will be informed for online interview. In case any clarification is required on eligibility regarding the above post, the candidate may contact Prof K. K. Pant and Prof. Komal Tripathi at email ID: kkpant@ch.iitr.ac.in, komal.tripathi@ch.iitr.ac.in

The last date for the submitting the completed applications by e-mail is 25/01/2026 by 5 PM.

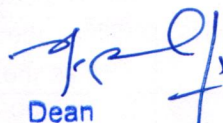
Note: The selected candidate will get an opportunity for admission to the Ph.D. program only after approval from the Director of R&D, IOCL.


Name and Signature
of Investigator

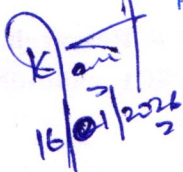
Copy to:

1. Dean, SRIC, IIT Roorkee
2. All heads of Departments and Centers
3. All Concerned Institutes in India
4. All Notice Boards, IIT Roorkee
5. Head IIT Roorkee Employment Bureau
6. Head Computer Center (With a request to display the advertisement on the Institute Website)
7. Librarian, Central Library, IIT Roorkee
8. Various other Chemical Engineering/Chemistry Departments (viz. IITs, Central Universities, NITs etc.)

Approved


Dean

Sponsored Research & Industrial Consultancy
Indian Institute of Technology Roorkee
Roorkee-247 667 (INDIA)


16/01/2026

