

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

Dated-11/09/2024

**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 Principal Investigator Prof. K. K. Pant, Department of Chemical Engineering, Indian Institute of Technology Roorkee.

1. **Title of project-** Development of a process for selective conversion of carbon dioxide (CO<sub>2</sub>) 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 Fellowship 25%	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 IOITR 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

R. K. Pant  
11/09/2024