



भारतीय प्रौद्योगिकी संस्थान कानपुर
Indian Institute of Technology Kanpur
अधिष्ठाता प्रशासन कार्यालय
Office of Dean, Administration

Date 03-09-2021

Advertisement No. REO/DOAD/2021/03

Indian Institute of Technology Kanpur an Institute of national importance, has been in the forefront of engineering & technology education and research & development. The Institute derives strength from its philosophy, vision and values that has led to achievement of academic excellence and promotion of high order technological research. The Office of Dean, Administration is looking for suitable Indian nationals including Persons of Indian Origins (PIOs) and Overseas Citizens of India (OCIs) for appointment on the following temporary positions for short-term R&D Projects on contractual basis for a period of maximum five years.

Designation	No. of Posts	Level (as per 7 th CPC)	Total Emoluments*
Principal REO	02	13	Rs. 2,11,001/- per month (approx.)
REO (Grade I)	04	11	Rs. 1,20,190/- per month (approx.)
REO (Grade II)	02	10	Rs. 1,01,175 /- per month (approx.)
Total	08		
Maximum age limit	Principal REO	50 years i.e. born on or after 06-10-1971	Please see the point no. 3 of General information and conditions for age relaxations
	REO (Grade I)	45 years i.e. born on or after 06-10-1976	
	REO (Grade II)	40 years i.e. born on or after 06-10-1981	
a. The prescribed maximum age shall be determined as on 05-10-2021 which shall be the closing date of application.			
b. Closing date for online application is 05-10-2021.			
1. *Total Emoluments means approximate total emoluments on minimum of Pay Scale in Pay Level (as per 7 th CPC) including House Rent Allowance, Dearness Allowance, Transport Allowance and employer's contribution to NPS.			
2. Reservation will be applicable as per GoI norms.			
The minimum qualification, desirable qualification, experience and job specifications for the above post (s), as per Serial Number with the Post, Department, Cadre, Number of Posts, Pay Scale & Level (as per 7 th CPC) are given below:			
➤ Serial Number : 01			
➤ Post : Research Establishment Officer (Grade I)			
➤ Department : Aerospace Engineering			
➤ Cadre : A			
➤ Number of Post : 01			
➤ Pay Scale : Rs. 67,700 - 2,08,700			
➤ Level (as per 7th CPC) : 11			

Minimum	B.Tech. or B.S. with 5 (five) years of relevant experience OR M.Tech. or M.Sc. with 3 (three) years of relevant experience OR Ph.D. in Engineering.
Desirable	Degree in Aeronautical Engineering/ Aerospace/ Mechanical Engineering with 4 (four) years relevant experience in handling aircraft instruments, sensors used for ground and flight testing.
Job Specification	He/she would be responsible for handling aircraft instruments and sensors used for ground and flight testing. He/she would be responsible for supporting the research activities being conducted in the Flight Laboratory in the areas of flight testing and health monitoring. He/she would also be responsible for supporting the training and educational activities of the Flight Laboratory.
<ul style="list-style-type: none"> ➤ Serial Number : 02 ➤ Post : Research Establishment Officer (Grade I) ➤ Department : Aerospace Engineering ➤ Cadre : A ➤ Number of Post : 01 ➤ Pay Scale : Rs. 67,700 - 2,08,700 ➤ Level (as per 7th CPC) : 11 	
Minimum	B.Tech. or B.S. in Aerospace/ Aeronautical/ Mechanical Engineering with 5 (five) years relevant experience OR M.Tech. or M.Sc. in Aerospace/ Aeronautical/ Mechanical Engineering with 3 (three) years relevant experience OR Ph.D. in Aerospace/ Aeronautical/ Mechanical Engineering.
Desirable	Degree in Aerospace/ Aeronautical Engineering/ Mechanical Engineering. Must have good knowledge in Wind Tunnels, high speed flows & gas dynamics. Should have hands on experience in working with Subsonic and/or Supersonic Wind Tunnels, high speed test facilities, supersonic free jet facility, hypersonic shock tunnel, shock tubes etc. Should have hands on experience with wind tunnel instrumentation, flow rig and test facility design. Should have experience with laser based instrumentation (PIV, PLIF, LDA, etc.). Should have experience in working with/ designing temperature sensor, force sensors, pitot tubes, hotwire anemometer, etc. Should have hands on experience in setting up/programming data acquisition systems and flow visualization techniques. Must have good knowledge and working experience in programs like Labview, Matlab, Ansys Fluent etc. for data analysis, processing and interpretation of results. Should have hands on experience in working with compressors, pumps and high pressure systems. The applicant should be able to propose research project and apply for research grants along with faculties in the department. Should have

	published research articles in peer reviewed journals/ international and national conferences. The applicant should be able to work independently and as a team with a passion towards research.
Job Specification	Design and development of new Wind tunnels and high speed test facilities and maintenance/ trouble shooting of existing wind tunnel facilities in the department. Performing experiments using the existing wind tunnel test facilities and analysis of data together with students and other research staffs. Supporting the ongoing research projects as well as augmenting the research activities of the department. Manage and assist in overall science and technology development, teaching, workshop and training program.
	<ul style="list-style-type: none"> ➤ Serial Number : 03 ➤ Post : Research Establishment Officer (Grade I) ➤ Department : Electrical Engineering ➤ Cadre : B ➤ Number of Post : 01 ➤ Pay Scale : Rs. 67,700 - 2,08,700 ➤ Level (as per 7th CPC) : 11
Minimum	M.Tech. or M.Sc. in Electronics/ Electrical Engineering with 3 years of relevant experience OR Ph.D. in Electronics/ Electrical Engineering.
Desirable	<p>M.Tech. in Electronics/ Electrical Engineering with 3 years of relevant experience in various RF testing procedures including handling of RF equipment such as the vector network analyzer, the spectrum analyzer, the signal generator etc. The candidate should have direct experience of working with the Anechoic Chamber including antenna measurement, and should be well familiar with various EMI/EMC standards such as IEC 60601-1-2, IEC 61010-1, CISPR 11 etc.</p> <p>M.Tech.: 5 Years of Hands-on experience in handling the RF instruments such as the vector network analyzer, the spectrum analyzer, the signal generator etc. The candidate should have direct experience of working with EMI chamber, and should be familiar with RF testing of Absorbers, FSS structures, RF circuits and various types of materials including estimating of their EM properties. Experience of working with the advanced electromagnetic field simulation tools such as CST and HFSS would be an added advantage.</p>
Job Specification	<ul style="list-style-type: none"> • To manage teaching and research labs including various facilities of the RF and Microwaves stream, and to assist in developing some new experiments for the graduate students. • To liaison with outside institutes/industry for a closer interaction including optimum usage of various facilities of the RF stream. • Actively contribute to the upcoming EMI/EMC Test Facility of the RF group including its establishment and maintenance.

<ul style="list-style-type: none"> ➤ Serial Number : 04 ➤ Post : Research Establishment Officer (Grade II) ➤ Department : Cryo-EM facility ➤ Cadre : B ➤ Number of Post : 01 ➤ Pay Scale : Rs. 56,100-1,77,500 ➤ Level (as per 7th CPC) : 10 	
Minimum	M.Tech.
Desirable	<p>Ph.D. in Life Sciences with 03 years of experience in the area of structural biology including data collection and analysis using cryogenic-Electron Microscopy (cryo-EM).</p> <p>a) Demonstrated evidence of research experience in structural analysis of biological macromolecules using biophysical methods such as cryo-EM.</p> <p>b) Hands-on experience in experimental laboratory set-up to prepare samples for cryo-EM data collection, data analysis and interpretation.</p> <p>c) Hands-on experience in handling, operating and maintaining high-end equipment related to centralized, multi-user, structural biology facility.</p> <p>d) Excellent oral and written communication skills in English to interact with and train, students.</p>
Job Specification	<p>The successful candidate is expected to support and manage the national cryo-EM facility for biomolecular characterization. The responsibilities include, but are not limited to, participating extensively in setting-up the facility, procurement of the key instruments and accessories, maintenance of the facility, on-site training of new users, assistance in writing proposals, and any other duty assigned by the co-coordinator.</p>
<ul style="list-style-type: none"> ➤ Serial Number : 05 ➤ Post : Research Establishment Officer (Grade I) ➤ Department : Earth Sciences ➤ Cadre : A ➤ Number of Post : 01 ➤ Pay Scale : Rs. 67,700 - 2,08,700 ➤ Level (as per 7th CPC) : 11 	
Minimum	<p>B.Tech. or B.S. with 5 years relevant experience OR M.Tech. or M.Sc. with 3 years relevant experience OR Ph.D.</p>
Desirable	<p>a) Degree in Electronics or Instrumentation with 2 years of relevant academic and/or industrial experience in handling analytical instruments, OR</p> <p>b) Degree in Earth Sciences or related disciplines with 2 years of experience in handling Earth Science related projects or working in an analytical laboratory.</p>

Job Specification	<p>a) Responsible for operating, maintaining and troubleshooting analytical instruments, such as ICP-MS, AAS, SEM, XRD together with sample preparation following standard protocols.</p> <p>b) Assisting, guiding, and training students with the instruments.</p> <p>c) Assisting the concerned faculty members in teaching laboratory components of institute-courses, training sessions, workshops etc. involving the instruments.</p>
<ul style="list-style-type: none"> ➤ Serial Number : 06 ➤ Post : Principal Research Establishment Officer ➤ Department : Office of Dean, Research and Development ➤ Cadre : A ➤ Number of Post : 01 ➤ Pay Scale : Rs. 1,23,100 – 2,15,900 ➤ Level (as per 7th CPC) : 13 	
Minimum	<p>B.Tech./ B.S. with 15 years of experience OR M.Tech./ M.Sc. with 13 years of experience OR Ph.D. in Science or Engineering with 10 years of experience</p>
Desirable	<p>Should have vast experience in research work in science and technology field. Should have exposure and hands on experience of handling sophisticated scientific instruments, lab experimental set up, extensive literature review, and writing technical reports and project proposals for external funding agencies. Should be expert in data collection, representation in graphical form, analytical & interpretation of key results. Should be familiar with patents. Should have very good oral and written communication skills.</p>
Job Specification	<p>a) Communication with external funding bodies including industries and coordinate outreach activities of the DORD.</p> <p>b) Coordination with PIs of various facilities to ensure wider user base for Institute-wise instruments, I-STEM management.</p> <p>c) Responsible for hosting visitors' delegation related to R&D work within the Institute and coordinating with various faculty members. Organisation and logistic handling related to both national and international visitors.</p> <p>d) Responsible for preparing quarterly and annual scientific report, data analysis, organization and plotting in suitable representative forms. Responsible for uploading reports on various social media and online platforms.</p> <p>e) Need to help with patent applications, evaluation, and filing.</p> <p>f) Collect scientific articles periodically from various PIs within the institute for dissemination via social media.</p> <p>g) Knowledge of research funding opportunities.</p>

<ul style="list-style-type: none"> ➤ Serial Number : 07 ➤ Post : Principal Research Establishment Officer ➤ Department : Directorate/ Dean, Research and Development ➤ Cadre : A ➤ Number of Post : 01 ➤ Pay Scale : Rs. 1,23,100 - 2,15,900 ➤ Level (as per 7th CPC) : 13 	
Minimum	B.Tech./ B.S. with 15 years of experience OR M.Tech./ M.Sc. with 13 years of experience OR Ph.D. in Science or Engineering with 10 years of experience
Desirable	Should have vast experience in research work in science and technology field. Should have exposure to writing grant proposals, field studies, survey collection, data analysis, writing technical reports. Should be expert in data collection, representation in graphical form, analytical & interpretation of key results. Should be familiar with patents and various processes involved in incubation of start-ups and section 8 companies. Should have very good oral and written communication skills.
Job Specification	<ul style="list-style-type: none"> a) Liaisoning with external agencies and coordinate outreach activities. b) Organisation and logistics management related to both national and international visitors. c) Coordination of processes related to compliance and clearance required for various start-ups hosted within the Institute. d) Assistance with the coordination and monitoring of various activities and paperwork related to the section-8 companies within the Institute. e) Helping the ranking committee with data collection, analysis, and presentation.
<ul style="list-style-type: none"> ➤ Serial Number : 08 ➤ Post : Research Establishment Officer (Grade II) ➤ Department : Office of Dean, Research and Development (Safety Cell) ➤ Cadre : A ➤ Number of Post : 01 ➤ Pay Scale : Rs. 56,100-1,77,500 ➤ Level (as per 7th CPC) : 10 	
Minimum	B.Tech./ B.S. in Engineering OR M.Sc. in Organic/ Inorganic Chemistry
Desirable	Post Diploma/ Advanced Diploma in Industrial Safety with 7 years of relevant experience in the field of safety in academic institute of higher education/ construction company/ Industry.

Job Specification	<ul style="list-style-type: none"> a) Hazard identification by conducting periodic/ frequent safety inspections/ audits/ studies of different construction sites, maintenance activities, laboratories and other areas. b) Safety in disposal of Hazardous chemicals/ waste. c) To create and establish appropriate firefighting system d) Accident/ incident investigation of major and minor incidences and suggesting corrective measures for non-recurrence of similar incidences in future. e) Organizing safety training programmes in different areas such as Chemical laboratory fire, electrical and construction safety. f) Vetting modifications and new facilities from safety point of views. g) Maintenance of records h) Suggesting remedial measures i) To advice legal compliance j) To issue advice in safety matter
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General information and conditions:

1. Benefits, terms and conditions under DOAD service:

- a. These posts carry Dearness Allowance (DA), House Rent Allowance (HRA) and Transport Allowance (TA) as admissible to the central government employees and as made applicable to the Institute.
- b. In addition to the emoluments indicated against each category of posts, benefits such as applicability of New Pension Scheme 2004, facility of health centre for self and dependents are available as per the Institute rules.
- c. As REOs are purely temporary & contractual positions, benefits that are applicable only to permanent employees of the Institute (e.g., LTC with leave encashment, Personal Computer Advance, Children Education Allowance, Leave Encashment, Telephone Bill Reimbursement) will not be applicable to them.
- d. Each appointment will be made on contractual basis initially for a period of maximum three years, extendable up to two years on noteworthy performance.
- e. Earned leave, half pay leave and casual leave will be admissible as per rule.

2. Other conditions

- a. The applicant must be a citizen of India. Persons of Indian Origins (PIOs) and Overseas Citizens of India (OCIs) will also be considered.
- b. All applicants must fulfill the essential requirements of the post and other conditions stipulated in the advertisement as on the last date of receipt of the applications. They are advised to satisfy themselves before applying that they possess at least the essential qualifications laid down for various posts as on the last date of receipt of the applications. No enquiry asking for advice as to eligibility will be entertained.

- c. The prescribed essential qualifications are the minimum and the mere possession of the same does not entitle candidates to be called for interview. The duly constituted Screening Committee may adopt its own criteria for shortlisting the candidates. The candidate should therefore, mention in the application all the qualifications and experiences in the relevant area over and above the minimum prescribed qualification, supported with self-certified documents. Completion of Ph.D. degree will be reckoned from the date of issue of provisional certificate/ notification.
- d. The prescribed qualifications should have been obtained through recognized Universities/ Institutions. Incomplete application/applications received or not accompanied with the required certificates/ documents/ Fees are liable to be rejected.
- e. In respect of equivalency clause in Essential Qualifications, if a candidate is claiming a particular qualification as equivalent qualification as per the requirement of the advertisement, then the candidate is required to produce at the time interview the relevant certificate in this regard, indicating the Authority (with number and date) under which it has been so treated otherwise the application is liable to be rejected.
- f. The period of experience rendered by a candidate on part time basis, daily wages, visiting/ guest faculty will not be counted while calculating the valid experience for short listing the candidates for interview.
- g. If any document/ certificate furnished are in a language other than Hindi or English, a transcript of the same duly attested by a Gazetted officer or notary is to be submitted.
- h. The date for determining the upper age limit, qualification and/ or experience shall be the closing date prescribed for receipt of applications.
- i. The period of experience shall be counted after the date of acquiring the minimum prescribed educational qualifications.
- j. Persons with disabilities (PWD) fulfilling the eligibility conditions prescribed under GoI instructions are encouraged to apply.
- k. In case a candidate is staying abroad, his/ her candidature may be considered in absentia by the Selection Committee on his/ her written request.
- l. The Selection Committee may choose to place the candidate in any of the Pay Scale within the Pay Level depending upon the performance of the candidate and subject to meeting the minimum eligibility criterion specified.
- m. Only outstation candidates called and found eligible for interview will be paid to and fro single second AC rail fare from the actual place of undertaking the journey or from the normal place of their residence whichever is nearer to Kanpur on production of Rail Tickets/ Rail Ticket Numbers or any other proof of journey. Any discrepancy found between the information given in application and as evident in original documents will make the candidate ineligible for appearing in interview. Such candidate will not be paid any fare.
- n. The decision of the Institute in all matters relating to eligibility, acceptance or rejection of applications, mode of selection, and conduct of examination/ interview will be final and binding on the candidates.

- o. The Institute reserves the right not to fill up the posts, cancel the Advertisement in whole or in part without assigning any reason and its decision in this regard shall be final.
- p. Canvassing in any form and/ or bringing any influence will be treated as a disqualification for the post.
- q. In case of Universities/ Institutes awarding CGPA/SGPA/OGPA grades, candidates are requested to convert the same into percentage based on the formula as per their Universities/ Institutes.
- r. Application with relevant document must be submitted online only. No hard copy need to be sent.
- s. **No Interim Enquiry or Correspondence will be Entertained.**

3. Relaxations:

- a. The upper age limit is relaxable upto five years for SC/ ST and three years for OBC as per rule, on production of relevant certificate in the prescribed format signed by the specified authority at the time of interview.
- b. Upper age limit is also relaxable upto five years for the regular employees working in Institute laboratories/ Institutes, Government departments, autonomous bodies and public sector undertakings.
- c. Relaxation in upper age limit for Persons with Disabilities and ex-servicemen will be as per rules.
- d. Relaxation in age, over and above the stipulated limit, educational qualification and/ or experience may be considered in case of exceptionally meritorious candidates or if sufficient number of candidates possessing the requisite qualification and/ or experience is not available to fill up the posts.
- e. Regular employees of IITs who are educationally qualified and otherwise eligible can be considered for the recruitment up to fifty years of age.
- f. Age relaxation for Project Employees working in IIT Kanpur will be as per the Office Order No. DIR/IITK/2019/OO-73 dated July 04th, 2019.

4. How to apply:

- a. Eligible candidates are required to apply only through **ONLINE portal www.iitk.ac.in/doad/reo-recruitment**.
- b. If the candidate does not have a valid email id, he/ she should create a new valid email id before applying online.
- c. Online Application will be available on our website from 03-09-2021 to 05-10-2021.
- d. Application fee of Rs. 1000/- shall be paid through online portal except for Exempted Category. The candidates belonging to SC/ST/PWD/Women/Abroad candidates category are exempted from submission of application fee.
- e. Application once made will not be allowed to be withdrawn and fees once paid will not be refunded on any count nor can it be held in reserve for any other recruitment or selection process.

- f. Applications from employees of Government departments will be considered only if forwarded through proper channel, certified by the employer that the applicant, if selected will be relieved within one month of the receipt of the appointment orders. Also, vigilance clearance should also be recorded. However, advance copy of the application may be submitted before the closing date. Applications routed through proper channel should reach Institute at the earliest.

Following documents need to be uploaded/ paid while submitting online form:

- a. Online Payment of Rs. 1000/- as application fee, where applicable.
- b. Recent colored photograph and signed must be uploaded.
- c. Self-attested photocopy of Date of Birth certificate.
- d. Self-attested photocopies of educational certificates.
- e. Self-attested photocopies of experience certificates, if any.
- f. Self-attested photocopy of caste certificate, if applicable.

Important Note:

1. Any Amendment/ Corrigendum/ Submission date extension in respect of above advertisement shall be issued on our website **www.iitk.ac.in/doad/reo-recruitment** only and no separate notification shall be issued in the newspaper/ press. Candidates are therefore requested to regularly visit our website to keep themselves updated.
2. In case of any dispute, decision of the Director, IIT Kanpur, shall be final.

Advertisement No. REO/DOAD/2021/03

Date 03-09-2021

Copy forwarded to:

- a) All Heads of Departments/ Sections/ IDPs/ Centres/ Units with the request to extend it wide publicity.
- b) Also to the following for information, please.
 - (i) Director's Office
 - (ii) Deputy Director's Office
 - (iii) SC/ST Cell
 - (iv) Notice Boards

Sd/-
Deputy Registrar,
Office of Dean, Administration, FB-211
Indian Institute of Technology Kanpur
Uttar Pradesh – 208016