

Date: 09.11.2024

Advertisement No. REO/DOAD/2024/01

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 for appointment on the following temporary positions for short-term R&D Projects on contractual basis for a period of maximum five years.

Designation		UR	OBC	SC	ST	PWD	EWS	No. of Posts	Pay Level (as per 7 th CPC)	Pay Scale
Senior REO		3	-	2	-	-	1	06	12	Rs. 78,800 – 2,09,200
REO (Grade I)		4	3	-	1	-	-	08	11	Rs. 67,700 – 2,08,700
REO (Grade II)	REO (Grade II)		1	-	-	-	-	02	10	Rs. 56,100 – 1,77,500
	Total 16									
Maximum –		enior REO				48 years as on closing date of application.				Please see the point no. 3 of General information
age limit	RI	REO (Grade I)				45 years as on closing date of application.				and conditions for more details about age relaxations
	RI	REO (Grade II)				40 years as on closing date of application.				
the closir b. Closing o	 a. The prescribed maximum age shall be determined as on <u>08.12.2024</u>, which shall be the closing date of application. b. Closing date for online application is <u>08.12.2024</u>. Reservation will be applicable as per Govt. of India norms. 									
The minimum/ essential qualification, desirable qualification, experience and job specifications for the above post (s), as per Serial Number with the Post, Department, Cadre, Number of Post, Pay Scale & Level (as per 7 th CPC) are given below:										
 Post Departm Cadre Number Pay Scal Pay Leve 	 Post Post Research Establishment Officer (Grade I) Department Advanced Centre for Material Sciences Cadre Number of Post :02 (UR- 01, OBC-01) 									
Minimum/ Essential]	OR M.Teo Engin	ch eeri	ng v (Ma ng)	aterial	eleva ls So Sc. in	cience	erience. and Eng	ineering/ Metallurgical ineering/ Metallurgical Materials) with 3 years of
										Page 1 of 11

	B.Tech (Materials Science and Engineering/ Metallurgical
D 1 1	Engineering) with 5 years of relevant experience.
Desirable	The following will be considered favorably for shortlisting and
Qualification &	selecting the candidates:
Experience	 Person should have a Ph.D. in the relevant area of Materials Science/ Metallurgical Engineering from reputed institution/ college. The candidate should have a good educational record with marks above 65% (or above 6.5 grade point) in all degrees. Three years research experience in the area of energy harvesting/ storage after Ph.D. Hands on experience in processing, fabrication and characterization of thin films and devices (Perovskite solar cells/
	batteries).
	• Skilled in operating various characterization instruments such as XRD, FESEM, RAMAN, UV-Visible spectroscopy, Photoluminescence, profilometer Solar Simulator etc.
	Good oral and written communication skills.
	• Apart from the required experience mentioned above, experience in team management, vendor management. documentation and implementation of standard operating procedures and maintaining standard quality practices are desirable.
Job Specification	• Build and lead team(s) of technical experts in energy harvesting
	 built and read team(s) of technical experts in energy harvesting and storage technologies. Execution of projects related to the product deliverables and research deliverables on energy harvesting and storage. Product development and technology transfer to the industry and patent application. Planning for new equipment and its utilities. Person will be responsible for supervision of operation and maintenance of electrical characterization facility at ACMS. Person should also assist with routine maintenance, upkeep/scheduling, trouble-shooting, and supervising day to day operations. In addition to assisting and facilitating the internal/external users, the REO is also expected to write proposals to bring funding. Work with other teams in and outside IIT Kanpur to promote interdisciplinary research leading to publication of high quality papers in this domain. The previous experience in publishing papers as a corresponding author will be an advantage. The candidate in collaboration with assigned mentor is expected to write technical report and research proposal for funding.
Serial Number	: 02
> Post	: Senior Research Establishment Officer
 Department Cadro 	: Central Experimental Animal Facility
 Cadre Number of Post 	$: \mathbf{B}$
Number of Post	
Pay Scale Pay Lovel (as particular)	: Rs. 78,800 - 2,09,200
Pay Level (as po	
Minimum/ Essential	M.Tech or M.Sc. with minimum 8 years or Ph.D degree in Biomedical Sciences or allied field with minimum 5 years of relevant work experience in reputed academic institute or R&D organization.

Desirable	The condidate is expected to be Db D degree helder and have
Desirable Job Specification	The candidate is expected to be Ph.D degree holder and have experience in running an experimental animal facility, work experience in regulatory process involving approval of research protocols involving experimental animals, hands-on-experience in the generation and maintenance of transgenic mice models, experience in carrying out histopathology, toxicology and behavioral studies in mice and rats, and experience in training students for animal handling. In addition, the candidate is expected to be familiar with the procurement process, including General Financial Rules, and writing grant applications and grants management. Managing the operations of the Central Experimental Animal Facility, providing guidance to research students and technical staff regarding experimental animal research projects, establishing and maintaining transgenic animals, liaising with CPCSEA and aiding faculty in the processing of approval applications, designing and coordinating
	contract research and pre-clinical studies, and conducting periodic
	workshops and courses for preclinical research. The appointee is also expected to participate and contribute to grant applications and fund
	raising and grant management.
Serial Number	:03
≻ Post	: Senior Research Establishment Officer
Department	: Centre for Nanosciences
Cadre	:A
Number of Pos	
 Pay Scale Pay Level (as point 	: Rs. 78,800 – 2,09,200 er 7th CPC) : 12
Minimum/	Ph.D in Physics/ Chemistry/ Material Science with 5 years of
Essential	relevant experience or M.Tech in Material Science and Engineering/ Chemical Engineering with 8 years of relevant experience or M.Sc. in Physics/ Chemistry with 8 years of relevant experience.
Desirable	Ph.D. in Physics/ Chemistry/ Material Science with 5 years of working experience in material characterization tools and techniques, Hands on experience in the operation and maintenance of electron microscopes (FESEM and HRTEM) and other equipments such as AFM, Optical Profiler, NSOM/RAMAN/CONFOCAL, Ellipsometer, Lithography etc. Preference will be given to the candidates with proven hands-on experience of diverse sample preparation techniques for electron microscope on instruments such as Ion Milling, Ultramicrotome, and Vitrobot. Working experience in class 10,000 clean room lab. Experience in procurement of new instruments, accessories, and consumables for the lab through, good writing skills and project management skills.
Job Specification	The research officer will be expected to help in operation and maintenance of in-housed equipment used for the fabrication and characterization and would handle all day-to-day activities to monitor clean lab activities, prepare MIS, write proposals as well as

 Serial Number Post Department 	: 04 : Senior Research Establishment Officer : Mechanical Engineering
Cadre	: B
Number of Post	t : 02 (UR-01, SC-01)
Pay Scale	: Rs. 78,800 – 2,09,200
Pay Level (as per level)	er 7th CPC) : 12
Minimum/	M.Tech in Mechanical/Metallurgy/Materials Engineering + 8 years
Essential	of relevant experience
	OR
	Ph.D in Mechanical/Metallurgy/Materials Engineering + 5 years of
	relevant experience.
Desirable	 Background and relevant experience in Microscopy and Imaging system viz. Scanning Electron Microscope, Atomic force microscope, Nanoindentation, 3D Profilometer, Laser Flash Thermal Conductivity, UV-Vis-NIR Spectrophotometer, Sputter Coater, Micro tensile instrument. Experience in management and maintenance of the Sophisticated Research Equipment, purchase process, vendor management, imparting training related to equipment. Experience in initiating/managing consultancy/ funded agencies projects.
	 Interacting with institute office for data collection etc. (e.g. publication, ranking)
Job Specification	 Assist faculty/students to conduct experiments and Analysis.
,,,	 Develop new experiments.
	 Initiate proposals for funding agencies.
Serial Number	:05
Post	: Research Establishment Officer (Grade I)
Department	: Physics
Cadre	: A
Number of Post	
 Pay Scale 	: Rs. 67,700 - 2,08,700
 Pay Level (as per 	
Minimum/ Essential	B.Tech. in Electrical Engineering or Electronics with 5 years of relevant experience or M. Tech in Electrical Engineering or Electronics with three years of relevant experience or Ph.D in Electrical Engineering or Electronics.
Desirable	 i) Experience in handling and troubleshooting high/low voltage power supplies and electronic circuits. ii) Working knowledge of ultra-high vacuum techniques. iii) Experience in designing/ assembling/ operating a particle accelerator facility at a technical level.
Job Specification	 i) Maintenance and troubleshooting of High (kV)/ low voltage power supplies and control systems for the particle accelerator system. ii) Designing electronic circuits and troubleshooting. iii) Handling and maintenance of ultra-high vacuum systems. iv) General maintenance of laboratory equipment.

	0(
Serial Number	: 06 • Dessenth Fatablishment Officer (Crode I)
Post	: Research Establishment Officer (Grade I)
 Department Codro 	: Civil Engineering : A
CadreNumber of Pos	
Pay Scale	: Rs. 67,700 - 2,08,700
Pay Level (as per	
Minimum/	Ph.D degree in Civil/ Electrical/ Electronics/ Instrumentation
Essential	Engineering or related fields with experience with sensors,
	instrumentation, and data acquisition. OR
	Master's degree (with First Class) in Civil/ Electrical/ Electronics/
	Instrumentation Engineering or related fields, plus at least 3 years
	relevant experience with sensors, instrumentation, and data
	acquisition, in research or industry.
	OR
	Bachelor's degree (with First Class) in Civil/ Electrical/ Electronics/
	Instrumentation Engineering or related fields, plus at least 5 years
	relevant experience with sensors, instrumentation, and data
	acquisition, in research or industry.
Desirable	The desired experience for the candidate includes (but is not limited
	to) the following:
	a) Familiarity with wide range of sensors, such as some of the
	following sensors:
	• LVDTs, pore pressure sensors, load cells, accelerometers, extensometers, strain gauges, fiber optic-based strain and
	temperature sensors etc.
	b) Experience in working with various digital I/O protocols.
	c) Knowledge of embedded systems.
	d) Experience in IoT (internet of things) related projects.
	e) Hands-on experience with civil (structural/ geotechnical/
	hydraulics)/mechanical/aerospace engineering testing projects.
	f) Hands-on experience with setting up the instrumentation in such
	tests.
	g) Experience with one or more of the following equipment:
	• Loading frame, UTM, tension-compression machine, servo-
	hydraulic actuators with associated control, dynamic signal
	analyzer. b) Experience with one or more of the following tests:
	h) Experience with one or more of the following tests:Triaxial/direct shear/consolidation tests, shaking table tests,
	high-cycle fatigue tests, ambient/forced vibration tests.
	i) Experience with data acquisition, data extraction, and data
	analysis for report preparation.
	j) Good communication skills.
Job Specification	The successful candidate is expected to support the Civil Engineering
	Department for all activities related to sensors, instrumentation, and
	data acquisition. These include but are not limited to:
	• Helping in structural, geotechnical and hydraulic laboratories in
	experiments involving different sensors, equipment and
	instruments, including setting-up of the instrumentation and data
	acquisition in such experiments:

 > Serial Number > Post > Department > Cadre > Number of Post > Pay Scale > Pay Level (as post) 	: Rs. 67,700 - 2,08,700
Minimum/ Essential Desirable	 Ph.D degree in Civil Engineering/ Environmental Engineering/ Chemical Engineering/ Analytical Chemistry or related fields with experience of maintenance and operation of advanced analytical instruments OR Master's degree (with First Class) in Civil Engineering/ Environmental Engineering/ Chemical Engineering/ Analytical Chemistry or related fields, plus at least 3 years relevant experience of maintenance and operation of advanced analytical instruments, in research or industry OR Bachelor's degree (with First Class) in Civil Engineering/ Environmental Engineering/ Chemical Engineering/ Environmental Engineering/ Chemical Engineering/ Environmental Engineering/ Chemical Engineering or related fields, plus at least 5 years relevant experience of maintenance and operation of advanced analytical instruments, in research or industry The desired experience for the candidate includes (but is not limited to) the following: a) Hands-on experience in instrument handling, and data extraction and analysis for report preparation. b) Prior working experience with one or more of the following instruments: UV-VIS Spectrophotometer (Make: Motras Scientific, Model: UV Plus) TOC + SSM (Make: Shimadzu PTE, Model: TOC-V CPN +

Job Specification	 SSM 5000A) Ion Chromatograph (Make: Metrohm, Model: 883 Basic IC plus) IC-ICPMS (Make: Thermofisher Scientific, Model: iCAP- Qc) MPAES (Make: Agilent Technologies, Model: 4200) Rheometer (Make: Anton Paar, Model: MCRI0I) Iso-thermal Calorimeter (Make: Calmetrix, Model: HPC4000) Mercury Intrusion Porosimeter (Make: Anton Paar, Model: PoreMaster 60GT) Electro-chemical workstation (Make: Biologics, Model: SP300) LGR Stable Isotope Analyser GCMS c) Good communication skills The successful candidate is expected to support the Civil Engineering Department for all activities related to analytical instruments. These include but are not limited to: Operation of the analyical instruments available with the Department or procured by the Department in the future. Management of supplies and maintenance of the instruments for its smooth functioning, in coordination with the PIs of such instruments and engineers of specific instruments. Troubleshooting for satisfactory performance of the instruments Help in the ongoing research in the Department using such instruments; Data extraction and analysis; report preparation Help in the procurement of analytical instruments in coordination with PIs.
	• Training and monitoring of teaching assistants and students working in the labs.
Serial Number	:08
➢ Post	: Research Establishment Officer (Grade II)
Department	: Aerospace Engineering
> Cadre	: A
Number of Post	
 Pay Scale Pay Level (as point 	: Rs. 56,100 - 1,77,500
Pay Level (as per Minimum/	er 7th CPC) : 10 B.E./ B.Tech or equivalent in Aerospace/ Mechanical Engineering.
Essential	D.E. D. Tech of equivalent in Aerospace/ Mechanical Engineering.
Desirable	Ten years of relevant experience.
	 Five years of working experience as DGCA approved Quality Manager. Basic Licence/ equivalent modules on light aircraft, piston engine issued by DGCA with Aircraft Maintenance Quality Control experience covering an appropriate combination of experience in tasks related to quality control and/ or continuing airworthiness management. Must have held DGCA approval as Quality Manager for more than five years. Trained for Design Organization Approval regulatory requirements by DGCA (CAR21). Cessna approved training on Cessna 206 aircraft & its engine. Quality Control/ Continuing Airworthiness Experience on

	 Practical experience in the application of Aviation Safety Standards and safe maintenance practices through accomplishment of audits Should possess good knowledge on Civil aviation requirements and aircraft rules. Experience to conduct Flight Mechanics courses, collection and analysis of data pertaining to Flight Experiments.
Job Specification	 Ensure compliance of DGCA requirements in line with approved CAR-M subpart F & G approval. Carry out CAR part M Subpart F & G approved Organization internal audits as well as associate in surveillance audits along with DGCA officers. Accomplish the process of firm inspection and renewal of approvals. Associate with DGCA officers in Airworthiness Review Certification process including documentation and physical inspections of Aircraft. Associate in the development and subsequent management of design activities in Flight laboratory. Associate in the research activities, training and educational activities being conducted in the Flight Laboratory in the areas of flight testing. Prepare and update manuals related to Design organization and safety system. Liasion with regulatory authority for compliance of various requirements pertaining to maintenance and design organization. Scrutinize the records pertaining to flying of IITK Aircrafts. Carry out compliance of DGCA audit observations and submit report for the same.

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 National Pension System 2004, facility of health centre for self and dependents family members 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, Reimbursement of Newspaper bill) 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 Institute norms in vogue.

2. Other conditions

- a. The applicant must be a citizen of India.
- 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 minimum/ 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 Gazette 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.
- 1. 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 needs to be sent.
- s. No Interim Enquiry or Correspondence will be Entertained.

3. Relaxations:

- a. The upper age relaxation limit is up to 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** <u>www.iitk.ac.in/doad/reo-recruitment</u>.
- 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 **10:00 AM of** <u>09.11.2024</u> to **11:59 PM of** <u>08.12. 2024</u>.
- 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 candidate 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. Applicants/incumbents already working in any Government organization/Autonomous Bodies/PSUs are required to upload NOC and Vigilance Clearance Certificate from their present employer. However, it should be certified by

the employer that the applicant, if selected will be relieved within one month of receipt of the appointment order.

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.
- g. NOC and Vigilance Clearance 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/2024/01

Date: 09.11.2024

Copy forwarded to:

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

Sd/-Dean of Administration IIT Kanpur