



# NATIONAL INSTITUTE OF TECHNOLOGY ROURKELA

[An Institute of National Importance under Ministry of Education, Govt. of India]

Sector 1, Rourkela, Sundergarh Dist., Odisha 769 008

## SPONSORED RESEARCH INDUSTRIAL CONSULTANCY CONTINUING EDUCATION

NITR / SR / 2026 / Advt.- 25ME053 / L / 013

dt.21-Apr-2026 Ref: FTS 260420-3874

**SR-R03**

### Advertisement for Recruitment of Project Position

Candidates who fulfill the below mentioned criteria may submit the application form before the last date. Engagement will be purely on temporary / contractual basis and co-terminus with the completion of the project. Candidates are advised to go through the advertisement details carefully before applying.

1.	Title of the Project:	Design and Development of UV-Assisted Self-Cleaning Filters Using Ceramic Membranes for Recycling Circulated Water Blowdown from Thermal Power Stations.		
2.	Project Code, Dept. with Closing Date:	SR-25-ME-053	05-Jan-2028	Mechanical Engineering
3.	Funding Agency Details:	NLC India limited		
4.	PI details:	Prof. Bukke Kiran Naik 9435686059	-	naikkb@nitrrkl.ac.in, 0661-246 2537 k.bukke@gmail.com
5.	Co-PI details:	Prof. Mahesh Kumar Shriwas 7008951710	-	shriwasmk@nitrrkl.ac.in, 0661-246 - -@gmail.com
6.	Details of the Post(s):		7. Educational Qualification & Working Knowledge	
Junior Research Fellow (JRF) <i>[Name of the Post(s)]</i>		Essential Qualification (s):		
01 (One) <i>[No. of Post(s)]</i>	01 Year(s), 07 Month(s) <i>(Tenure of Post)</i>	Post Graduate degree in basic science OR Graduate / Post Graduate Degree in Professional Course selected through a process described through any one of the following: a. Scholars who are selected through National Eligibility Tests - CSIR-UGC NET including Lectureship (Assistant Professorship) and GATE. b. The selection process through National Eligibility Examinations conducted by Central Government Departments and their Agencies and Institutions such as DBT, DST, DAE, DOS, DRDO, MoE, ICAR, ICMR, IIT, IISc, IISER, NISER, etc.		
Year 1 & 2		Experience / Software / Skillset & Desirable Qualification:		
INR 37,000.00 /- per month (+) HRA @ NA % (if applicable)		Good knowledge on membrane fabrication, characterization and synthesis. Experience in using simulation software (ANSYS Fluent/COMSOL)		
- NA -				
INR 0.00 /- per month (+) HRA @ NA % (if applicable)				
<b>Job Description:</b>				

The Junior Research Fellow (JRF) will design, develop, and experimentally evaluate a UV-assisted ceramic membrane filtration system for recycling blowdown water from thermal power plants. The role includes system setup, UV integration for self-cleaning, filtration and fouling studies, water quality analysis, and performance optimization. The JRF will handle data acquisition, basic modeling (MATLAB/Python), documentation, and reporting, while supporting lab maintenance and ensuring safe and efficient project execution.

Online Interview details: 28-May-2026 10:30 AM Department of Mechanical Engineering

Application link for eligible candidate(s): NIT Rourkela Homepage → FACULTY & STAFF → SRICCE → Career → Notices  
The candidate(s) are required to send the complete filled and signed application (soft copy) with documents regarding educational qualification indicating percentage of marks / division (mark-sheets and / or certificates), research papers (if any), work experience certificate (if any) etc., This may be built as a single PDF file and sent by email with "Advertisement No." on the subject link to the above mentioned e-mail IDs. NO hard copies of application(s) are required to be sent to the Institute. Last date for submitting the Application: 20-May-2026

The period of experience in a discipline / area of work, wherever prescribed, shall be counted after the date of acquiring the minimum prescribed educational qualifications for that position. Mere possession of minimum qualification does not guarantee invitation to the interview. Candidates will be short listed based on merit and need of the project. Selection / Joining will be cancelled in case of any suppression of information / document submitted.

NIT Rourkela reserves the right to fix higher criteria for short-listing of eligible candidates from those satisfying advertised qualification and requirement of the project post. 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 in the above mentioned details.

**Age Guideline:** The upper age limit for applying for the award of project position shall be 28 years, which is relaxed up to 5 years in the case of candidates belonging to Schedule Castes / Schedule Tribes / PWD and Female applicants whereas 3 years in the case of OBCs (Non-creamy layer candidates). Upper age limit shall be reckoned as on the last date of receipt of applications.

**Any other terms & conditions governed as per guidelines issued by the funding agency for the engagement of above position as amended from time to time shall be in force towards this temporary recruitment.**

The upper age limit shall be as per the institute/Government of India norms.

Age relaxation and reservation will be applicable for SC/ST/OBC/PwBD candidates in accordance with Government of India rules.

Sd/-  
Asst. / Dy. / Jt. Registrar (SR)

**Copy to:**  
➤ PI & CO- PI: Prof. Bukke Kiran Naik, ME & Prof. Mahesh Kumar Shriwas, MN ➤ Chairman, DRC, Dept. of ME  
➤ Head of the Department / Centres / Units (It is requested that the contents of the above advertisement be brought to the notice of the staff(s) / student(s) working in your Dept. / Centre / Unit.)  
➤ Dealing Seat (SR – Project Recruitment) ➤ Advertisement File → To publish advertisement at NITR website.