



# 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 / 2025 / Advt.- 25ME027 / L / 106

dt. 29-Dec-2025 Ref: FTS 251223-9626 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 Alternative Air Bearings for High-Speed ACM Rotor Used in Cold Air Unit of Aircraft.		
2.	Project Code, Dept. with Closing Date:	SR-25-ME-027	31-Mar-2028	Mechanical Engineering
3.	Funding Agency Details:	DRDO	-	
4.	PI details:	Prof. Suraj Kumar Behera 9040893760	beherask@nitrkl.ac.in, 0661-246 2508 suraj.behera@gmail.com	
5.	Co-PI details:	Prof. Manoj Kumar Moharana 7008111684	moharanamk@nitrkl.ac.in, 0661-246 2533 - @ -NA-	
6.	Details of the Post(s):  Junior Research Fellow (JRF) [Name of the Post(s)]	7. Educational Qualification & Working Knowledge  Essential Qualification(s):  M.E/M.Tech In Mechanical Engineering/Production Engineering/Manufacturing Technology/Industrial Engineering/Energy Engineering/Cryogenic Engineering or allied Branch with minimum CGPA of 7.0 or 65% from a recognized Technical Institute/University with valid GATE Score.  B.Tech/B.E in Mechanical Engineering with minimum CGPA of 6.5 or 60% with valid GATE score. Valid Gate Score is Mandatory for JRF position. Incase candidate does not have Valid GATE Score, He may be appointed a Project associate-I as Per DST Rule.		
	01 (One) [No. of Post(s)]	03 Year(s), 00 Month(s) (Tenure of Post)		
	Year 1 & 2  INR 37,000.00 /- per month (+) HRA @ NA % (if applicable)			
	Year 3  INR 42,000.00 /- per month (+) HRA @ NA % (if applicable)			
	Job Description:	1. Knowledge on any 3D modelling Software, Matlab. 2. Basic understanding of machine design, mechanics of solids, bearing design, vibration and rotordynamics.		

Research work of the project includes Design, Development and experimentaion of gas bearings for Air cycle machines used in Light Combat Aircrafts.

Candidate may register for Ph.D. at NIT Rourkela subject to fulfilling the Institute criteria.

Candidates need to Fill the Google form by 10th January 2026.  
<https://tinyurl.com/52txjype>

Online	Interview details: 14-Jan-2026 10:00 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: 12-Jan-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.**

Tenure of the Assignment: Till completion of the project (July 2028)

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

Copy to:

- PI & CO- PI: Prof. Suraj Kumar Behera , ME & Prof. Manoj Kumar Moharana ME ➔ 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 Deptt. / Centre / Unit.)
- Dealing Seat (SR – Project Recruitment) ➔ Advertisement File ➔ To publish advertisement at NITR website.