



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.- 26MD045 / L / 073

dt. 28-Aug-2026 Ref: FTS 260825-7937

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:	Process Optimization of Direct Reduced Iron (DRI), Steel Melting Shop (SMS), Pellet, and Beneficiation Plant using Machine Learning and enhancement of plant Performance		
2.	Project Code, Dept. with Closing Date:	SR-26-MD-045	29-Jul-2029	Metallurgical and Materials Engg.
3.	Funding Agency Details:	Others (Specify)		EIPL
4.	PI details:	Prof. Ajit Behera 9938383765 - beheraajit@nitrrkl.ac.in, 0661-246 2575 ajit.behera88@gmail.com		
5.	PI details:	Prof. Debi Prasad Acharya 9438484151 - dpacharya@nitrrkl.ac.in, 0661-246 @gmail.com		
6.	Details of the Post(s):		7. Educational Qualification & Working Knowledge	
Research Fellow (RF)		Essential Qualification (s):		
[Name of the Post(s)]		Essential Qualification (s): B.E./BTech/M.E./MTech/M.Sc(Engineering) in Metallurgy/Metallurgical and Materials Engineering/ Ceramic Engg. /Mineral Engg./ Mechanical Engg./Electrical & Electronics Engg/ Computer Science /Aerospace or aeronautical engineering/Chemical Engg. with minimum 65% marks or 7.0 CGPA in the preceding qualifying degree (or) M.Sc in Physics/Chemistry/ Materials Science with minimum 65% marks or 7.0 CGPA in the preceding qualifying degree Preference: Candidates with B.E./BTech should have valid GATE score; Candidates with M.E./MTech/Msc (Engineering) should have qualified GATE once; Candidates with M.Sc in Physics/Chemistry/ Materials Science should have valid GATE score.		
03 (Three)		02 Year(s), 11 Month(s)		
[No. of Post(s)]		[Tenure of Post]		
Year 1 & 2		Experience / Software / Skillset & Desirable Qualification:		
INR 37,500.00 /- per month (+) HRA @ NA % (if applicable)		Candidates with prior knowledge/experience in one or more of the following experimental studies of materials: 1. Experiment design and Optimization skill using AI & ML 2. Experience in deep learning frameworks using PyTorch/TensorFlow 3. Materials Processing/ Materials designing and/or metal casting 4. Experience in DRI, SMS, Pellet & Beneficiation Plant 5. Materials characterization 6. Mineral Beneficiation and Physical metallurgy related work and experiences 7. Eligible for Ph.D. subject to fulfillment of the institute regulations 8. Qualified in GATE or other national level fellowship tests like DST-INSPIRE etc. or joined as JRF/SRF in any research project.		
Year 3				
INR 42,000.00 /- per month (+) HRA @ NA % (if applicable)				
Job Description:				

Process optimization, process data analysis, and machine learning applications for improving plant operations and performance of the DRI, SMS, Pellet & Beneficiation Plant.

Walk-in (offline) Interview details: 02-Sep-2026 08:30 AM Department of Metallurgical and Materials Engg.

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: 02-Sep-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.

-NA-

Sd/-

Ranjan Kumar Nayak
Asst. / Dy. / Jt. Registrar (SR)

Copy to:

- PI & CO- PI: Prof. Ajit Behera, MM & Prof. Debi Prasad Acharya, EC ➤ Chairman, DRC, Dept. of MM
- 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.