



# 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.- 25EE033 / L / 026

dt.22-May-2026 Ref: FTS 260521-7006

**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:	Optimized Thermal Management of BESS with BMS and Design, Development of Smart inverter for defense microgrid application		
2.	Project Code, Dept. with Closing Date:	SR-25-EE-033	22/02/2029	Electrical Engineering
3.	Funding Agency Details:	DRDO		
4.	PI details:	Prof. MONALISA PATNAIK	pattnaikm@nitrkl.ac.in, 0661-246 2423 - @ gmail.com	

5. Details of the Post(s):		6. Educational Qualification & Working Knowledge		
Junior Research Fellow (JRF) <i>[Name of the Post(s)]</i>		<b>Essential Qualification (s):</b>		
01 (One) <i>[No. of Post(s)]</i>	03 Year(s), 00 Month(s) <i>(Tenure of Post)</i>	MTech/ME/M.S. in Electrical / Control Engineering/ Energy Engg. or equivalent, relevant to the area of research OR BTech/BE in Electrical/ Control Engineering or equivalent Engineering, and having a CGPA/CPI score of 7.00 (out of 10.0) and above with a valid GATE score in M.Tech and B.Tech can apply for admission to the PhD programme.		
Year 1 & 2		Hands-on experience in modeling, analysis, and control of microgrids integrating renewable energy sources such as solar PV and battery energy storage systems (BESS).		
INR 37,000.00 /- per month (+) HRA @ NA % (if applicable)		<b>Desirable Qualification:</b>		
- NA -		Power Electronics and Drives, Power Systems, Microgrid Control, Renewable Energy, AI/ML-based Control Applications, Battery Management Systems.		
INR 42,000.00 /- per month (+) HRA @ NA % (if applicable)				
<b>Job Description:</b>				

To carry out the research work (Experimental), in the field of Renewable Energy Systems, Microgrid & power converters  
Scope to enroll as a Ph. D. Scholar in Department of Electrical Engineering (has to satisfy Institute/Department Eligibility Criteria)

Online	Interview details:	26-Jun-2026	10.00 AM	Department of Electrical Engineering
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**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: 19-Jun-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.**

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

**Copy to:**

- PI: Prof. MONALISA PATNAIK, EE ➤ Chairman, DRC, Dept. of EE ➤ Advertisement File
- 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) → [To publish advertisement at NITR website.](#)