



भारतीय प्रौद्योगिकी संस्थान इंदौर

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IIT Indore

Dated: **09-09-2025**

Advertisement for a JRF Position in a MoE-STARS project

Applications are invited from motivated and eligible candidates for a **Junior Research Fellow (JRF)** position in the research project "**Development of Mixed Phase Layered Oxide Cathodes for Sodium-Ion Batteries**," funded by the Ministry of Education under the STARS scheme.

Eligibility: MSc/ MTech in Physics/ Chemistry/ Materials Science/ Nanotechnology/ Ceramics Engineering/Polymer Science, Solid State Physics. Candidates who have qualified **NET/ GATE** will be given preference, and candidates with expertise in any of the following are strongly encouraged to apply:

- Synthesis of inorganic materials.
- Experience in crystal structure and microstructure determination using powder XRD, SEM, TEM, Raman spectroscopy, etc.
- Basic electrochemistry characterization.

Stipend:

Junior Research Fellow (JRF) will be paid a consolidated salary of Rs. 37,000/- per month + HRA (if applicable).

Conditions:

(i) House Rent Allowance (HRA): JRF may be provided accommodation based on availability, and those residing in accommodation provided by the institute will not be eligible for drawing HRA. Wherever the provision of hostel accommodation is not possible, HRA may be allowed to JRF as per government norms applicable to the city/location where they are working. The fellowship amount may be taken as basic for calculating the HRA.

(ii) The appointment is initially for one year and could be extended till 28th May 2027 on mutual consent.

(iii) The candidate may be accepted for the **regular PhD position** once they qualify the interview/screening by the MEMS department admission committee.

(iv) Interested candidates must submit a detailed CV to **Dr. Sunil Kumar** (Associate Professor, Metallurgical Engineering and Materials Science, IIT Indore) via e-mail: **sunil@iiti.ac.in** by **October 5th, 2025**. Information relevant to **NET/GATE qualification**, including the **year of passing and validity, discipline, score, marks, all India Rank, category certificate**, and the **number of candidates who appeared, must be mentioned in the CV**. Please use "*Application for JRF position under MoE-STARS project – September 2025*" as the subject of your email.

(v) Interviews will be held in **2nd week of October 2025**, and only shortlisted candidates will be intimated by email for the online interview.