



Indian Institute of Technology (ISM) Dhanbad
Office of the Dean (Research & Development)

Sanction No. and Date: ANRF/ARG/2025/005651/ENS and 30 June 2026	IIT (ISM) Project No. SRDP 1345 G	Date 12 September 2026
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**Project Staff (JRF/SRF/RA/Project Assistant/Project Associate)
position under ANRF Project**

Applications are invited under the sponsored project. The details of the project are as under:

Position	ANRF-JRF
Number of Position (s)	01
Title of The Project	Power Management and Quality Enhancement of Traction Substation in Indian Railways: A Power Conditioning and Energy Storage Approach
Principal Investigator	Dr. Dushyant Sharma
Tenure of Project	36 months (Appointment will be initially given for 24 months at the position of JRF and will be continued as SRF thereafter up to sanctioned budget subject to satisfactory performance)
Job Description (in maximum of 100 words)	Study of integration of energy storage systems at railway substations. Simulation studies involving power systems with railway substations, railway traction loads, unbalanced system studies, energy storage systems, etc. Analysis through different softwares like MATLAB/Simulink, DIgSILENT PowerFactory, etc. Coding, analysis, report preparation, paper publication, presentation, and project coordination.
Essential Qualification	- Postgraduate (or higher) degree in Electrical Engineering or areas relevant to Electrical Engineering selected through a process described through any one of the following: - Scholars who are selected through National Eligibility Tests – CSIR-UGC NET including lectureship (Assistant Professorship) and GATE. - The selection process through National level examinations conducted by Central Government Departments and their Agencies and Institutions such as DST, DBT, DAE, DOS, DRDO, MHRD, ICAR, ICMR, IIT, IISc, IISER, etc. - First class or equivalent in all academic qualifications from UG degree onwards.
Desirable Qualification	Postgraduate degree in Electrical Engineering or relevant fields with knowledge of power systems and power electronics
Age and Relaxation (if any)	35 years and relaxation as per norms
Fellowship	Consolidated salary of Rs. 37000 per month. No HRA.
Last Date & Time	29/09/2026 and 6:00 PM. Applications must be submitted through this link. If the hyperlink doesn't work, the following URL may be used: https://forms.gle/c2BMD58gvwhpBibe6
Shortlisted candidates will be informed of the date of the interview. Mere possession of minimum qualification does not guarantee an invitation to the interview. Candidates will be short-listed based on their merit and as per the requirements of the project. The interview will be conducted in online mode.	

(Signature of PI)