

CALL FOR RESEARCH STAFF (JRF) POSITION

About: Applications are invited from interested and motivated candidates for the post of Junior Research Fellow (JRF) in a time-bound research project sponsored by the SERB (G409) for a temporary period purely on a contractual basis as per the following details:	
Position:	Junior Research Fellow
Number of Vacancy:	01
Project Title:	Development of Textile Reinforced Mortar (TRM) based Strengthening Technique for Elevated Temperature Conditions
Funding Agency:	Science and Engineering Research Board (SERB)
Principal Investigator (PI):	Dr. Anil Agarwal, Department of Civil Engineering, IIT Hyderabad
Project Tenure:	Until 13-06-2025
Job Description:	The JRF will manufacture the Textile Reinforced Mortar (TRM), structural concrete members, and TRM-Concrete members at elevated temperatures with different material characteristics of FRP grid and concrete, for example, the use of carbon fiber and basalt fibers, along with fiber-reinforced mortar and elevated temperature protection mortar will be made. He will also conduct detailed material characterization on FRP and concrete and test the FRP grid -Concrete members for their structural response at elevated temperatures and failure characteristics. The JRF will have to analyze the experimental results at the material and structural levels and detail numerical analysis using commercial software packages such as ABAQUS. Furthermore, he may write special-purpose code to analyze and design TRM to strengthen concrete members at high temperatures. Most importantly, the candidate must publish technical papers for publication in referred journals, conference proceedings, and patent filing.
Qualification:	First-class Master's degree in structural engineering or equivalent discipline, having a very good background in composite materials, high-temperature resistance material, and concrete structures at high temperatures conditions from a recognized university or equivalent. The candidate should preferably have experience of working in textile reinforced mortar and testing for fire resistance of structural members.
Upper Age Limit:	Age not exceeding 35 years as of the date of the interview.
Fellowship:	37,000 per month

How to apply:

Please fill this Google Form: <https://forms.gle/52SmCKc4b3Dq64vu8>

Application Deadline: 12 March 2025

Candidates will be shortlisted based on merit and experience aligned with the project requirements. Shortlisted candidates will be informed of the interview, which will be conducted offline/online mode. Only qualified and suitable candidates will be called for an interview.