



Birla Institute of Technology and Science, Pilani

Hyderabad Campus

Call for Junior Research Fellow in ISRO Respond Sanctioned Project

Date: 9th September 2026

Applications are invited for one position of Junior Research Fellow to work on the following project sponsored by **ISRO Respond** under the supervision of **Dr. N. Suresh Kumar Reddy (PI)**, and **Dr. N. Jalaiah (Co-PI)**, Department of Mechanical Engineering.

Title of the project:	Realisation of Iridium coated Rhenium Combustion Chamber (cylindrical specimen) of the below mentioned size: Diameter (Φ): 13mm Height (h): 20 mm. Coating Thickness: Iridium-50 μm & Rhenium-1000 μm "
Brief Description:	The primary objective is to indigenously fabricate and realize a sub-scale, ultra-high-temperature Iridium-coated Rhenium (Ir/Re) cylindrical specimen to validate oxidation protection and structural integrity for advanced space propulsion systems.
Duration of the project:	Two years
Project position and number:	Junior Research Fellow – 1 position
Fellowship amount:	Rs. 37,000/- + 30% HRA per month
Eligibility requirements:	M.E. / M.Tech. / M.S. in Mechanical/ Applied Mechanics / Production Engineering/ Materials Science or M.Sc. in Chemistry with specialization in Electrochemistry or in relevant areas. Candidates with publication(s) will be given priority and GATE / UGC NET /CSIR NET will be an add-on advantage.

Interested candidates with the above-mentioned qualifications can apply for the position on the following Google Form Link (<https://forms.gle/oBMoi6WPAqFTNLmf9>) before **Sep 30, 2026**. Please note that only qualified and suitable candidates will be called for an interview to be held online in the **Second Week of October 2026**. Selected candidates will also get the opportunity to register for the Ph.D. program of BITS, Pilani, subject to the fulfillment of the requirements.

For any query regarding the application, please contact **PI or Co-PIs** by an E-mail or office phone number.

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