



**NATIONAL INSTITUTE OF TECHNOLOGY, DURGAPUR**  
**MAHATMA GANDHI AVENUE, DURGAPUR-713209, W.B**

*Annexure-I*

**Advertisement for the post of JRF**

Advt. no.: NITD/MME/MMG/DRDO/Advt./JRF/2024/1

Dt.: 08/04/2024

**Project Title:** "Design and Development of a Promising Ternary  $\gamma$ -Titanium Aluminide Alloy Containing Niobium for Aerospace Applications"

**Funding Agency:** Defence Research and Development Organization (DRDO), Ministry of Defence, Govt. of India

**Duration:** 3 years

**Project Objectives:**

- To design a promising ternary  $\gamma$ -Ti-Al-Nb alloy with tuned composition for aircraft turbines by means of MD simulations.
- To produce the most potent pre-designed alloy through melting and casting route using vacuum arc remelting (VAR) furnace and its characterization.

**Qualification:**

| Name and Number of post                       | Eligibility Criteria   | Duration  | Stipend  |
|---|--|---|--|
| <b>JRF</b><br>No. of post:<br><b>One (01)</b> | ME/M.Tech in Metallurgical and Materials Engineering/ Materials Science and Engineering/Mechanical Engineering/Aerospace Engineering/Production Engineering or relevant area with minimum 65% marks<br><br>MSc in Physics with minimum 70% marks | Two years as JRF and may be promoted to SRF following performance evaluation of the JRF at the end of second year. Total fellowship period is three years or till termination of the project whichever is earlier | Rs 37,000/- per month for the first two years as JRF. The fellowship will be enhanced to Rs 42,000/- per month if the JRF is promoted to SRF |

**How to Apply:**

The eligible and interested candidates are encouraged to apply for the post by sending a cover letter and their complete bio-data mentioning qualifications, relevant experience, etc. to the principal investigator through email. The email ID of the principal investigator is: [mmghosh.mme@nitdgp.ac.in](mailto:mmghosh.mme@nitdgp.ac.in). The subject of the email should be written as "Application for the post of JRF in DRDO sponsored project". The application along with the attachment should be sent to the principal investigator through email on or before 30<sup>th</sup> April, 2024.

**Mode of selection:**

The short-listed candidates will be notified through email and the selection interview will be conducted through **online/hybrid mode**.

**Terms and conditions:**

- Applications reaching after specified time will not be entertained.
- Canvassing in any form will disqualify the candidate.
- The selected candidate is expected to join immediately after recruitment.
- The selected candidate may have to work outside the normal working hours and normal working days without additional incentives
- Selected candidate will produce the original ID proof, the original mark-sheets, certificate etc. at the time of joining; otherwise his/her candidature will be rejected.
- Other terms and conditions will be as per those of NIT Durgapur.
- Accommodations as per NIT Durgapur norms.

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