



**Indian Institute of Technology Hyderabad**  
**Kandi, Sangareddy-502285, Telangana, INDIA**

Date of Advertisement: 12<sup>th</sup> November, 2021

**Subject:**

**Advertisement for the post of Junior Research fellow (No. of Post: One) for three year**

Applications are invited from bright, young candidates with good academic background to attend the online interview for the post of **Junior Research Fellow** position (No. of Post: One) as a part of SERB project. Details are given below:

|                           |  |
|---------------------------|--|
| Project Title             | <b>“Post-Processing of Direct Energy Deposition Components: Need Identification and Process Selection”</b>   |
| Brief Description of work | This project is in the area of <b>Metal Additive Manufacturing (3D Printing)</b> of Inconel Superalloys and other alloys; work includes: processing and post-processing, powder processing, phases and microstructures characterization, metallography, mechanical properties testing and characterization, heat treatments etc. |
| Name of the Post          | <b>Junior Research Fellow</b>  |
| No. of Post               | One  |
| Period of Appointment     | The appointment will be initially for a period of <b>Eleven months</b> and based on performance, the appointment could be extended yearly basis, till the end of the project (3 years). <b>The selected candidates will be eligible for Ph. D registration if they satisfy all the criteria of IIT Hyderabad.</b>                |
| Remuneration              | INR 31000/- pm + HRA for first two years<br>INR 35000/- pm + HRA for the third year  |
| Essential Qualifications  | M.Tech./M.E./ or equivalent degree in Metallurgical Engineering/ Materials Science/ Mechanical Engineering (with Manufacturing specialization) /or related areas.<br><br>OR<br><br>B.Tech. or equivalent degree in Metallurgical Engineering/ Materials Science/ related area, with a valid GATE score                           |
| Age Limit                 | 35 years   |
| Desirable                 | Experience in some of the following areas: microstructural study, metallography practices, heat treatments, mechanical testing, working with metals and alloys, powder metallurgy, metal additive manufacturing. Experience in handling various material characterization, processing and testing equipment etc.                 |

**Note:**

1) Interested applicants should **apply online** only by **25<sup>th</sup> November, 2021**, through the online google form: [https://docs.google.com/forms/d/e/1FAIpQLSeTMNOTfVfTjyLUjpZdjFTuZPDRHblQzaQyaKihjsssHPpaoA/viewform?usp=sf\\_link](https://docs.google.com/forms/d/e/1FAIpQLSeTMNOTfVfTjyLUjpZdjFTuZPDRHblQzaQyaKihjsssHPpaoA/viewform?usp=sf_link)

2. The interview of shortlisted candidates will be conducted online. The date and time of the interview will be informed after shortlisting. Selection committee may set some cut-off mark for qualifying degrees for shortlisting, if number of applications are large. For any query in this regard, candidates may write to Prof. Bharat B. Panigrahi, Principal investigator (Email: [bharat@msme.iith.ac.in](mailto:bharat@msme.iith.ac.in)), Department of Materials Science and Metallurgical Engineering.