

Aug 12, 2026

Advertisement for Research Associate I at IIT Hyderabad

Applications are invited from Indian nationals with excellent academic and research backgrounds for the post of Research Associate–I under the research project titled ‘Nanoscale microstructure engineering of advanced high strength steels to mitigate hydrogen embrittlement’.

Name of the post	Research Associate–I
No. of post	One
Project Title	Nanoscale microstructure engineering of advanced high strength steels to mitigate hydrogen embrittlement
Job description	- Experiments to understand the effects of hydrogen on the mechanical properties and deformation behaviour of advanced high-strength steels. - Multiscale microstructural characterization to establish correlations between the microstructure and mechanical response during deformation (in the presence and absence of hydrogen). - Elucidate the mechanisms governing hydrogen–microstructure interactions and their role in hydrogen embrittlement.
Period of Appointment	The appointment will be on a purely temporary basis for 11 months, starting as soon as possible.
Remuneration	58,000/- (inclusive of HRA)
Essential Qualifications	Ph.D. in Materials Science and Metallurgical Engineering, Mechanical Engineering, or a closely related field. Candidates who have submitted their Ph.D. thesis but awaiting final viva voce examination may also apply
Age Limit	Not more than 35 years as on the last day of application; relaxations for SC/ST/OBC as per standard government norms.
Desirable qualification	Prior research experience in steels and/or hydrogen embrittlement , with hands-on experience in multiscale characterization techniques such as TEM and EBSD, is desirable.
Selection Procedure	Interested candidates meeting the above criteria should fill in the Google form using the following link (https://forms.gle/nUMK2Py35RASDQ819) AND email their CV, brief summary of their research experience (200 words), short research plan (200 words), two relevant publications (or a copy of thesis if publication are under review) to rama@msme.iith.ac.in with the subject of the email as “Research Associate” by 5 September. Candidates will be shortlisted for the interview based on their academic records and relevant work experience. Only shortlisted candidates will be notified via email about the online interview by 15 September 2026. Please note that merely meeting the eligibility criteria does not guarantee a call for an interview. The PI reserves the right to leave the position vacant if no suitable candidate is found.

For any queries, please contact the PI of the project:

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