



## **Research Associate (Postdoctoral Fellow) position at IIT Hyderabad**

*Sustainable Metallurgy & Industrial Technologies (SMITH) Laboratory, Dept. of Materials Science & Metallurgical Engineering (MSME), IIT Hyderabad*

invites applications for the position of Research Associate (Postdoctoral Fellow) for a Ministry of Steel-funded project on the ***Investigation on Direct Reduction using Ammonia: A Novel Green Alternate Ironmaking Process.***

**Essential Qualifications:** i) *Ph.D. in Metallurgical Engineering/Materials Science & Engineering/Chemical/Mechanical Engineering* with prior expertise in high-temperature experimentation/thermodynamic and kinetic analysis of metallurgical processes/characterization of ores, minerals, biomass, slag, etc. ii) One of the degrees (B.E/B.Tech/M.E/M.Tech) has to be Metallurgy/Materials engineering/extractive metallurgy/process metallurgy or equivalent.

**Desirable Qualifications:** 1. Hand-on training on design, development, and operation of metallurgical reactors/furnaces; 2. Hands-on training on XRD, SEM-EDS, TG-DTA/DSC, FTIR, XRF, and OES ; 3. Hands-on training on FactSage/ThermoCalc software.

**Fellowship and allowances:** Rs. 58,000/- monthly + 24% House rent allowance. Accommodation inside the IITH campus is subject to availability at the time of joining. This position is initially for one year and can be extended to subsequent years based on satisfactory performance and fund availability.

If you meet the above criteria, please click [Link to apply for the position](#)

Application deadline : 30<sup>th</sup> April 2024

Tentative interview date : May 6 – 7, 2024 (Only to the shortlisted scholars, online).

Tentative date for joining : May 15<sup>th</sup>, 2024

*If any queries about the position, please contact [ashokk@msme.iith.ac.in](mailto:ashokk@msme.iith.ac.in)*