



# Indian Institute of Technology Indore

Simrol Campus: Khandwa Road, Simrol, Indore 453552

IIT  
Indore

Dated: 19<sup>th</sup> May 2016

## Advertisement for a Postdoctoral Position in Mechanical Engineering

Applications are invited from motivated and eligible candidates for a postdoctoral position in the research project "*Synthesis and characterization of complex metal hydrides for hydrogen storage*".

### **Brief description of the project:**

Complex hydrides, mostly alanates or borates of lithium, sodium and potassium have hydrogen retaining capacity up to 18 wt. %. Their high hydrogen content, lower weight and lesser costs make them attractive for portable and mobile applications. This project aims at synthesis of new complex hydrides and characterization of their thermodynamic and thermophysical properties.

**Eligibility:** Ph.D. in *Chemistry or Physics or Mechanical or Material Science*. Please note that you should have defended your Ph.D. dissertation.

### **Stipend:**

Postdoctoral Fellow will be paid consolidated salary based on the following salary structure of the DST for Research Associate.

| Category               | Emoluments per month |
|------------------------|----------------------|
| Research Associate-I   | Rs. 36,000/-         |
| Research Associate-II  | Rs. 38,000/-         |
| Research Associate-III | Rs. 40,000/-         |

The category will be decided/recommended by the selection committee based on the qualification/Experience/Performance in the interview of the candidate.

### **Service conditions:**

(i) DA: Postdoctoral Fellow will not be entitled to DA.

(ii) House Rent Allowance (HRA): All Postdoctoral Fellow may be provided accommodation based on availability and those residing in accommodation provided by the institute will not be eligible for drawing HRA. Wherever provision of hostel accommodation is not possible, HRA may be allowed to Postdoctoral Fellow as per Government norms applicable in the city/location where they are working. The fellowship amount may be taken as basic for calculating the HRA.

(iii) Medical Benefits: The Postdoctoral Fellow will be entitled for medical allowance as per institute policy.

(iv) The travel entitlement for Postdoctoral Fellow for participation in scientific events/workshops in India will continue to be as per institute norms.

**Duration:** The appointment is for one year.

Interested candidates are requested to submit a detailed CV to *Dr. E. Anil Kumar, Discipline of Mechanical Engineering, IIT Indore, Indore-453552* via e-mail: [anil@iiti.ac.in](mailto:anil@iiti.ac.in) by 20<sup>th</sup> June 2016.

**Only shortlisted candidates will intimated by email for an interview. NoTA/DA will be paid for appearing in the interview.**