



**Indian Institute of Technology Indore**

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भारतीय प्रौद्योगिकी संस्थान इंदौर

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IIT Indore

## **ANNEXURE A2**

30<sup>th</sup> November 2017

### **ADVERTISEMENT for a POSTDOCTORAL POSITION**

A postdoctoral fellowship is available in Experimental Condensed Matter Physics for a period of one year. Only candidates with good knowledge and in depth understanding of material characterization should apply.

The candidate is required to know characterization techniques including Xray Diffraction, Xray Absorption Spectroscopy (XAS, XANES, EXAFS), Xray Photoluminescence Spectroscopy, Raman Spectroscopy, UV-vis spectroscopy, Photoluminescence, I-V measurements, Sensitivity measurements, Spontaneous polarization properties measurement, Dielectric properties measurement, Magnetic properties measurement and thermoelectric properties measurement.

A PhD in Materials Science/Expt Cond Matt Physics/Solid State Physics with focus on oxide materials is a major strength. Candidates should apply to Dr Somaditya Sen with a CV, List of publications and a strong research proposal on oxides.

#### **Expectations:**

Excellent scientific writing skill is a compulsory requirement. Major role of the selected candidate will be to,

1. Monitor the research work of PhD students in the group
2. Edit, compile and direct the science case of "to be communicated" drafts from students
3. Develop his/her research output through interns/project students
4. Help the advisor with project proposal writing and submission

The tenure is for one year in which if the candidate wants can apply for further funding from DST/CSIR etc. for further continuation. IITI cannot extend the candidature more than 1 year.

Contact : Dr Somaditya Sen; [sens@iiti.ac.in](mailto:sens@iiti.ac.in), +91-7312438970, +91-8839799373

DEADLINE: 10<sup>th</sup> DECEMBER 2017

#### **Stipend:**

The succesful candidate will receive a consolidated salary based on the following pay structure of the DST for Research Associate, category to be decided by the selection committee based on the experience/performance of the candidate during the interview.

Reasearch Associate – I :	Rs. 36,000/month
Reasearch Associate – II :	Rs. 38,000/month
Reasearch Associate – III :	Rs. 40,000/month